



BOROUGH OF NELSON

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ANNUAL REPORT of the Medical Officer of Health 1970

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ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

1970

P. G. Holt, M.B., Ch.B., D.P.H.

Medical Officer of Health.

B O R O U G H O F N E L S O N

H E A L T H C O M M I T T E E

Councillor J. F. Spencer (Chairman)

Councillor J. Greenwood (Vice-Chairman)

The Mayor (Councillor E. Myers)(Ex-officio)

Alderman Mrs. E. Kay

" J. Shepherd

Councillor D. Carter

" Mrs. E. Cook

" P. S. Cox

" Mrs. M. Davis

" Mrs. E. Ennis

" A. F. Evans

" R. Frith

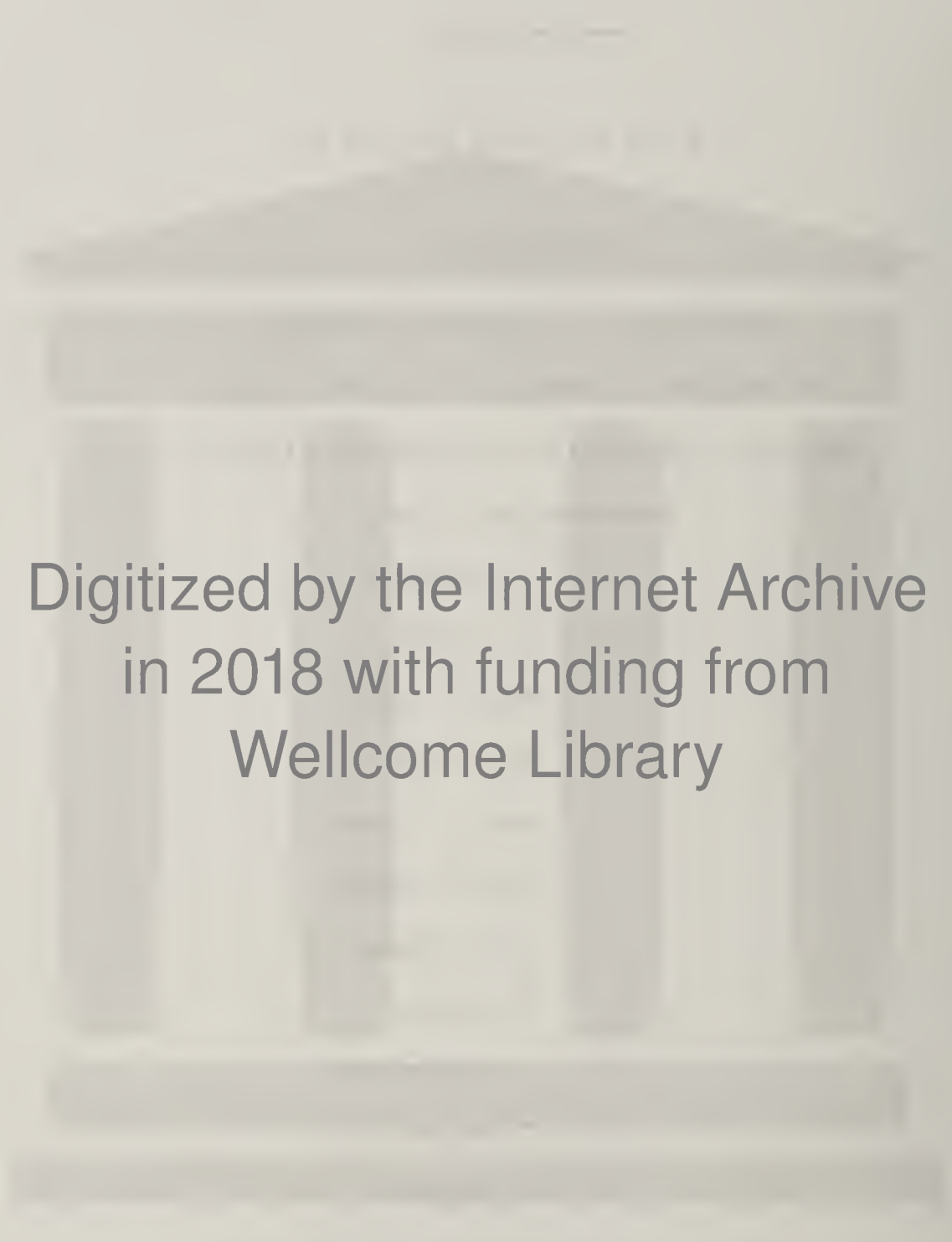
" B. Hargreaves

" F. Mansfield

" D. Rigby

" B. M. Rothwell

" Miss J. Smith



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LIST OF LOCAL AND ADOPTED SANITARY ACTS ADMINISTERED
BY THE COUNCIL

Nelson Water and Gas Act, 1866

Nelson Local Board Act, 1879

Nelson Improvement Act, 1886

Nelson Local Board Act, 1888

Nelson Corporation Act, 1903

Nelson Provisional Orders, 1871, 1873, 1876, 1890, 1895, 1897, 1899, 1904

Borough of Nelson (Extension) Orders, 1897

The Public Health Acts Amendment Act, 1890, adopted 1891

The Infectious Diseases (Prevention) Act, 1890, adopted 1896

The Public Health Acts Amendment Act, 1907, parts adopted 1912

The Nelson Corporation Act, 1921

The Public Health Act, 1925, except Sections 15, 35 and 41

LIST OF BYE-LAWS RELATING TO SANITARY MATTERS
IN FORCE IN THE BOROUGH

Dates of Adoption

1890	Common Lodging Houses
1897	Offensive trades: Blood Boiler, Blood Drier, Bone Boiler, Fellmonger, Tanner, Leather Dresser, Soap Boiler, Tallow Melter, Fat Melter, Tripe Boiler, Glue Maker, Size Maker, Gut Scraper.
1897	Nuisances
1897 & 1907	Slaughterhouses
1911	Dairies, Cowsheds and Milkshops Regulations
1931	Sanitary Conveniences
1939	Buildings
1951	Clean Food Bye-Laws
1953	Regulating the emission of Black Smoke
1958	Good Rule & Government and Prevention of Nuisances
July 1960	Clean Air Act, 1956 - Section 24 - Bye-Laws

STAFF OF THE PUBLIC HEALTH DEPARTMENT

Medical Officer of Health	P. G. Holt, M.B., ChB., D.P.H.
Senior Public Health Inspector	G. Pritchard, M.A.P.H.I., (Resigned w.e.f. 11th September, 1970) F. Grindrod, M.A.P.H.I., (Appointed w.e.f. 12th September, 1970)
Deputy Senior Public Health Inspector	F. Grindrod, M.A.P.H.I., (Appointed Senior w.e.f. 12th September, 1970) H. Farrell, M.A.P.H.I., (Appointed w.e.f. 12th October, 1970)
Additional Public Health Inspector	J. H. Thompson, M.A.P.H.I., A.R.S.H.
Chief Clerk	N. Griffiths
Clerks	Mrs. M. P. Hardwick Mrs. E. Peel (Appointed w.e.f. 2nd February, 1970)
Technical Assistant - Smoke Control (Temporary)	F. Chippendale

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Public Health Department,
21 Carr Road,
NELSON.

July, 1971.

To the Chairman and Members of the Health Committee

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my Annual Report on the Health and Sanitary conditions of the Borough for the year ending 31st December, 1970. The layout follows the usual pattern and the contents include all items requested by the Department of Health and Social Security.

The decrease in the number of people living in the Borough continued, the population being estimated at 30,800 compared to 31,230 a year before. These figures are, of course, only estimates and it will be interesting to compare them with the census figures which should be to hand when the next report is prepared. Rather in contrast to the population figures, the number of inhabited houses increased compared to 1969, as did the product of a penny rate, so it is clear that the population statistics should not be looked at in isolation.

Nineteen hundred and seventy saw some changes in the staff of the Health Department. Mr. Pritchard, who had been Senior Public Health Inspector since 1953, resigned in September to take up a teacher training course, and his deputy, Mr. F. Grindrod, was appointed to take his place. The resulting vacancy was filled by Mr. Farrell, who was appointed as Deputy Senior Public Health Inspector the following month.

I expressed concern in my last report regarding the shortage of solid smokeless fuel and its effect on the clean air programme. It was indeed fortunate that a mild winter produced the minimum of inconvenience and little noticeable increase in air pollution. Clean air is an expensive and hardwon benefit and it is to be hoped that such a situation does not arise again so that the programme may now be completed without further setback.

I am indebted to all members of the Health Department who have played a part in the production of this report, and particular to Mr. N. Griffiths, Chief Clerk, who is largely responsible for its compilation. We all hope that members will find something to interest them in its pages.

I have the honour to be, Ladies and
Gentlemen,

Your obedient Servant,

P. G. HOLT

Medical Officer of Health.

ACKNOWLEDGEMENT

As in former years some information given in this report has been supplied by other corporation departments and also from external sources. This continued co-operation is greatly appreciated and I express my grateful thanks to the following officials for their kindness.

Mr. H. Barton,	Director of Public Cleansing, Nelson
Mr. J. Buckley,	Housing Superintendent, Nelson
Dr. C. H. T. Wade,	County Medical Officer of Health, County Offices, Preston
Mr. W. Knight,	Borough Treasurer, Nelson
Registrar General,	General Register Office, Somerset House, London, W.C.2.
Mr. E. Robinson,	Borough Engineer and Surveyor, Nelson
Mr. C. D. Barnes,	Engineer, North Calder Water Board, Nelson
Mr. T. H. Slater,	Manager, Department of Employment and Productivity, Nelson

SECTION A

STATISTICS AND SOCIAL CONDITIONS

OF THE AREA

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area in acres	3,446
Ordnance Level, Lowest point	350 feet
Ordnance Level, Highest point	1,100 feet
Ordnance Level, centre of town	458 feet
Drainage of surface water - Natural, chiefly to Walverden Stream and Pendle Water	
Subsoil - Clay with understratum of sandstone and out-croppings of coal	
Population - Registrar General's estimate of home population mid-year, 1970	
	30,800
Census, 1961	32,292
Males	15,176
Females	17,116
Census, 1951	34,384
Houses - Number inhabited at:	
End of 1970, according to Rate Books	12,184
Census, 1961	12,110
Census, 1951	12,162
- Number uninhabited at:	
End of 1970 according to Rate Books	347
Census, 1961	364
Census, 1951	222
Rateable Value at 31st December, 1970	£891,054
General Rate, 1970/71 (s.d. in the £) -	Dwellingshouses 13/7
	Mixed Hereditaments 14/5
	Other Hereditaments 15/3
Sum represented by a penny rate, 1970/71	£3,400

The estimated cost of the Local Health Service for the financial year 1970/71 was £38,700 which is equivalent to a rate of 11.38d in the £.

The Registrar General's estimate of the home population for mid-1970 was a decrease of 430 on the estimate for the previous year.

SOCIAL AND INDUSTRIAL CONDITIONS

During 1970 there was a slight deterioration in the employment situation resulting from redundancies in Textiles. Unemployment in August reached 3%, the highest figure since November 1967, and there was increased short-time working in Textiles.

On the other hand, expansion has taken place in some firms, and some extra jobs for men have been created. Towards the end of the year information was received of new firms intending to set up establishments in the area, with a promise of 300 extra jobs for women. Many of these will be employed on a seasonal basis, and there could be a substantial number employed on a purely part-time basis.

With the present tendency to reduce the numbers employed in Textiles, there will surely be more diversification of industry in the ensuing year. Although the movement of new firms into the area is slow, it is nevertheless taking place. The outlook can therefore be said to be favourable.

CLIMATOLOGICAL CONDITIONS

As the Climatological Station in the grounds of the Cemetery in Walton Lane was wrecked by vandals towards the end of 1969 and not re-equipped for operation again until the latter part of 1970, I am unable to give the usual statistical information and comments thereon.

VITAL STATISTICS

LIVE BIRTHS:

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate	264	233	497
Illegitimate	22	22	44
	<hr/>	<hr/>	<hr/>
Total	286	255	541

Illegitimate live births percentage of total live births	8.1%
Total illegitimate births percentage of total births	8.4%
Live Birth Rate per 1,000 estimated population - Crude	17.6
Adjusted	20.1
Comparability Factor	1.14

STILL BIRTHS:

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Legitimate	-	2	2
Illegitimate	2	-	2
	<u> </u>	<u> </u>	<u> </u>
Total	2	2	4

Still Birth Rate per 1,000 total (live and still) Births	7.3
Still Birth Rate per 1,000 estimated population	0.13
Still Births as percentage of total births	0.7%

TOTAL LIVE AND STILL BIRTHS:

<u>Males</u>	<u>Females</u>	<u>Total</u>
288	257	545

DEATHS:

<u>Males</u>	<u>Females</u>	<u>Total</u>
232	253	485

Death Rate per 1,000 estimated population - Crude	15.7
Adjusted	13.8
Comparability Factor	0.88

Excess of live births over deaths	56
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INFANT DEATHS:

	<u>Males</u>	<u>Females</u>	<u>Total</u>
Under 1 year of age - Legitimate	4	3	7
Illegitimate	1	1	2
Under 4 weeks of age - Legitimate	3	3	6
Illegitimate	1	-	1
Under 1 week of age - Legitimate	3	2	5
Illegitimate	1	-	1

Infant Mortality Rates

Total infant deaths per 1,000 total live births	17
Legitimate infant deaths per 1,000 legitimate live births	14
Illegitimate infant deaths per 1,000 illegitimate live births	45

Neo-natal Mortality Rate

Deaths under 4 weeks of age per 1,000 live births	13
---	----

Early Neo-natal Mortality Rate

Deaths under 1 week of age per 1,000 live births	11
--	----

Peri-natal Mortality Rate

Still births and deaths under 1 week of age per 1,000 total births	18
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MATERNAL DEATHS:

Maternal deaths (excluding abortion)	1
Maternal Mortality per 1,000 total (live and still) births	1.83

COMMENTS ON STATISTICSPopulation

The mid-year estimate of the population made by the Registrar-General was 30,800, a decrease of 430, or 1.38% on his estimate, the previous year. This was the largest decrease since 1964, when a decrease of 460, or 1.44% was estimated. Since 1963, every year, with the exception of 1968, which had an estimated increase of 770, there has been an estimated decrease in the population. The position to date being a net decrease of 1,200 or 3.75%.

Comparison with neighbouring authorities within Health Division No.6 for 1970 is as follows:

<u>Estimated increases</u>	<u>Estimated decreases</u>
Burnley R.D.C. 0.37%	Nelson M.B. 1.38%
Brierfield U.D. 0.68%	Colne M.B. 0.53%
	Padiham U.D. 0.59%
	Trawden U.D. 0.49%
<u>No Estimated Change</u>	
Barrowford U.D.	

The overall position in Health Division No.6 was a net decrease of 0.54%, the Nelson decrease accounting for 0.47%.

For further comparison, the estimated population of Burnley C.B. for 1970, remained the same as in the previous year.

Live Births

For the previous three years the number of live births registered each year was almost identical around the 500 mark, but last year with a total of 541 has only been exceeded once since 1948, that being in 1966 when 550 live births were registered. The period commencing 1961, when the annual number of live births regularly exceeded 500, to date the average annual figure is 519.

The Crude Live Birth Rate at 17.6 per 1,000 population was 1.6 higher than in 1969 and has only been exceeded once since 1947, that being in 1966 with a figure of 17.8.

The Adjusted Live Birth Rate, 20.1 per 1,000 population, was an increase of 1.9 per 1,000 on the 1969 rate and the highest since 1966 with 20.2 per 1,000. The mean rate for the period 1966-70 inclusive being 18.7 per 1,000.

Local comparision of these rates, that is with other authorities in Health Division No.6, is shown in the Table on Page 28.

With the Live Birth Rate for England and Wales at 16.0 per 1,000 it is less than the Nelson Adjusted Birth Rate by 1.6. This is the tenth successive year that such a difference has occurred and over this period the average yearly excess of the Nelson adjusted Live Birth Rate is 1.24 per 1,000 population.

Illegitimate Live Births registered again showed a decline to 44 in 1970, this being 10 fewer than in 1969 and in fact the smallest annual figure since 1964. Of the total live births registered, 8.1% were illegitimate compared with 10.8% in 1969 and 12.4% in 1968 which had the largest number of illegitimate births on record. The Illegitimate Live Birth Rates were 1.43 per 1,000 population and 81.3 per 1,000 live births, which were 0.3 and 26.7 respectively less than in the previous year and both rates were the smallest since 1964.

The number of live births actually occurring in the Borough was again reduced, there being only 44, all of which were domiciliary births, out of a total of 541 assignable to Nelson, leaving 497 or 91.9% inward transferable. This trend over recent years is shown in the following:

1970	-	91.9%	Inward transferable births
1969	-	81.6%	"
1968	-	42.0%	"
1967	-	37.3%	"
1966	-	37.1%	"

Still Births

Only 4 still births were registered, the smallest number since 1966 and represented 0.7% of the total births compared with 1.38% in 1969. Over the previous five years the average per year was 8.

The Still Birth Rates were 7.3 per 1,000 total births and 0.13 per 1,000 estimated population, decreases of 6.5 and 0.07 respectively on 1969. Still Birth Rates for England and Wales as a whole were 13.2 per 1,000 total births, the same as the previous year and 0.21 per 1,000 estimated population, a reduction of 0.01.

Deaths

After an increase in the number of deaths each of the previous three years, there was a reduction of 40 in 1970, making a total of 485, or 14 fewer than the average for the previous five years. These gave a Crude Death Rate of 15.7 per 1,000 population, a decrease of 1.1 per 1,000 and identical to the 1968 rate.

The Comparability Factor used in conversion for external comparisons was reduced by 0.02 to 0.88, thus giving an Adjusted Death Rate of 13.8 per 1,000 population, a decrease of 1.2 on the 1969 figure.

With the Death Rate for England and Wales at 11.7 per 1,000 population the Nelson rate was in excess by 2.1 per 1,000 and 3.2 per 1,000 in 1969. Over the last ten years this excess has ranged from 1.6 to 3.8 per 1,000 population with an average of 2.65.

Local comparison of Adjusted Death Rates, that is within the Health Division No.6, is shown in the Table on page 28.

As usual, Heart and Circulatory Diseases as a group were the principal cause of death, and accounted for 50% of the total as against 57% last year, the main difference being a reduction of 22 deaths from cerebro-vascular disease.

There were 97 deaths from cancer, 8 fewer than in 1969, but again deaths from this cause were 20% of the total deaths. From the Table on page 33 it will be observed that the main differences on analysis of these deaths according to location of the disease was a reduction of 14 in the category of trachea, bronchus and lung, giving a death rate of 0.55 per 1,000 population, as compared with 0.99 the previous year. The total Cancer Death Rate was 3.15 per 1,000 population, whereas in 1969 it was 3.36, the highest on record. The mean rate for the five years 1965-69 inclusive, was 2.54 per 1,000. The National Cancer Death Rate in 1970 was 2.39 per 1,000 population, an increase of 0.04 on 1969.

Winter months have usually the largest number of deaths but in 1970 there were as many as 85 in January giving a death rate 2.76 per 1,000 population. This was the highest number in any month since February 1966, when there were 90 and death rate 2.90 per 1,000 population.

Age group analysis of the deaths showed a normal pattern, the highest in the 75 - 80 years group (92 = 18.97%) followed by the 70 - 74 years group (80 = 16.49%) and the 80 - 84 years group (79 = 16.29%). Deaths of persons 65 years of age or over formed 74.6% of the total, 1.7% more than in 1969, whereas in the 45 - 64 years group there was a decrease of 1.4%. The Table on page 35 shows, in five year periods over 50 years, the progressively higher ages at which death occurred.

The general trend down the years is that fewer residents actually die within the Borough, whereas in the immediate post-war years around 75% did so, in 1970 the percentage was as low as 50.1. A Table on page 38 shows from 1933-1970 this change has taken place almost regularly year by year over that period.

Of the 49.9% of the population who died out of the Borough in 1970, as many as 99.9% died in hospitals, nursing homes, etc., usually of the Burnley group. This was almost the same as in the previous year, but rather more than average. Furthermore, of the total deaths assigned to the Borough, 55.0% died in hospital. This is almost 6% more than in 1969. A Table on page 40 shows the percentage of deaths which occurred in hospitals, etc., annually from 1955-70 inclusive with quinquennial averages.

Infant Mortality

There were 9 infant deaths under the age of twelve months, 7 of these were aged under 4 weeks and one under the age of 1 week. Classification of these deaths according to ages and causes are given in the Table on page 32.

The infant mortality rates were therefore as follows:

Infant Mortality (under 12 months)	17 per 1,000 live births
Neo-natal Mortality (under 4 weeks)	13 "
Early neo-natal Mortality (under 1 week)	11 "

the first being 1 per 1,000 less than the national rate and the second 1 per 1,000 more, whereas the other was identical.

With 4 still births in addition to the 6 infant deaths under 1 week the Peri-natal Mortality Rate was 18 per 1,000 total (live and still) births. The corresponding National Rate was 23 per 1,000, the same as in 1969, whereas the Nelson Rate was 8 per 1,000 less.

Maternal Mortality

The one death of a mother in pregnancy, was due to maternal causes excluding abortion, and was the first maternal death since 1960. This gave a Maternal Mortality Rate of 1.83 per 1,000 total (live and still) births. For comparison the National figures are as follows:

Maternal Mortality - Total		0.18 per 1,000 total (live and still births)				
"	"	Excluding abortion	0.14	"	"	"
"	"	Due to abortion	0.04	"	"	"

The rates were each 0.01 higher than in 1969.

The following Tables show:-

Birth Rates, Death Rates and Analysis of Mortality for England and Wales and Nelson, 1970.

Nelson Vital Statistics, 1970 and previous ten years with averages.

Comparison of Nelson Birth and Death Rates with National Rates 1941-70 inclusive.

Vital Statistics for 1970 of authorities in Health Division No.6.

Causes of Death at different periods of life during 1970 with equivalent Death Rates.

Classification of Infant Deaths during 1970 according to Causes and Ages.

Analysis of Deaths from Cancer during 1970 according to age groups and location of growth.

Monthly Analysis of Deaths during 1970 with rates per 1,000 population.

Summary of ages at Death during 1970.

Annual Percentage Summary of Ages at Death 1960-1970 inclusive.

Percentage of Total Deaths according to ages, at five-year intervals from 1920-1970.

Deaths occurring in Nelson and Outward and Inward Transferable Deaths in percentage comparison with Nett Deaths assigned to Nelson each year over the period 1933-1970 inclusive.

Deaths occurring in Hospitals, and Institutions in relation to Total Deaths during 1970.

Deaths occurring in Hospitals and Institutions, etc., annually from 1955-1969 inclusive with averages, and during 1970.

VITAL STATISTICS

COMPARATIVE TABLE SHOWING BIRTH RATES, DEATH RATES
AND ANALYSIS OF MORTALITY FOR ENGLAND AND WALES AND
NELSON FOR THE YEAR 1970

	(1)		(2)	
	England and Wales		Nelson	
	Number Registered	Rate per 1,000 home population	Number Registered	Rate per 1,000 home population
Births:				
Live Births	784,482	16.0	541	17.6 *
Still Births	10,341	13	4	7
Deaths:				
All Causes	575,208	11.7	485	15.7 *
Tuberculosis (all forms)	1,606	0.033	1	0.03
Respiratory	913	0.019	-	Nil
Other	693	0.014	1	0.03
Cancer (all forms)	117,085	2.39	97	3.15
Lung and bronchus	30,218	0.62	17	0.55
Other cancer	86,867	1.77	80	2.60
Maternal Mortality (total)	147	0.18 (a)	1	1.83 (a)
Maternal Causes (excluding abortion)	115	0.14 (a)	1	1.83 (a)
Due to Abortion	32	0.04 (a)	-	- (a)
	Number Registered	Rate per 1,000 Live Births	Number Registered	Rate per 1,000 Live Births
Infant Mortality	14,269	18	9	17
Neo-natal Mortality	9,663	12	7	13
Early Neo-natal Mortality	8,328	11	6	11
Peri-natal Mortality	18,669	23 (a)	10	18 (a)

(a) Per 1,000 total (live and still) births

Estimated mid-year home population (1) 48,987,700

(2) 30,800

(1) Provisional figures based on Registrar-General's Quarterly Returns

* Adjusted: Live Birth Rate 20.1 per 1,000 (Comp. Fact. 1.14)

Death Rate 13.8 per 1,000 (Comp. Fact. 0.88)

VITAL STATISTICS

VITAL STATISTICS FOR 1970 AND THE PREVIOUS 10 YEARS, WITH 5 YEARS' AVERAGE

Year	Estimated Population	Live Births		Deaths (All causes)		Stillbirths		Maternal Mortality		Infant Mortality		Neo-natal
		No. Regis- tered	Rate per 1000 pop'n	No. Regis- tered	Rate per 1000 pop'n	No. Regis- tered	Rate per 1000 total births	No. of deaths- regis- tered	Rate per 1000 total births	No. of deaths- regis- tered	Rate per 1000 live births	
1960	31,470	467	14.8	533	16.9	16	33	1	2.1	8	17	15
1961	32,140	530	16.5	536	16.7	17	31	Nil	Nil	7	13	11
1962	32,000	539	16.8	515	16.1	12	22	Nil	Nil	9	17	15
1963	32,000	519	16.2	493	15.4	6	11	Nil	Nil	12	23	12
1964	31,540	518	16.4	464	14.7	4	8	Nil	Nil	11	21	19
Average 5 years		515	16.1	508	16.0	11	21	0.2	0.4	9	18	14
1965	31,290	502	16.0	521	16.7	14	27	Nil	Nil	14	28	20
1966	30,980	550	17.8	517	16.7	4	7	Nil	Nil	12	22	14
1967	30,630	496	16.2	441	14.4	8	16	Nil	Nil	7	14	8
1968	31,400	498	15.9	492	15.7	8	16	Nil	Nil	7	14	6
1969	31,230	500	16.0	525	16.8	7	14	Nil	Nil	14	28	20
Average 5 years		509	16.4	499	16.1	8	16	Nil	Nil	11	23	14
1970	30,800	541	17.6	485	15.7	4	7	1	1.8	9	17	13

Year	Nelson					England and Wales											
	Estimated Population	Birth Rates		Death Rates			Birth Rates		Death Rates								
		Live	Still	Crude per 1000	Total Adjusted per 1000 pop'n	Maternal Per 1000 Total Births	Infant		Live	Still Per 1000 Total Births	Total Per 1000 pop'n	Maternal Per 1000 Total Births	Infant				
							Total	Neo-natal per 1000 Live Births									
														Total per 1000 pop'n	Total per 1000 pop'n		
Crude per 1000 pop'n	Adjusted per 1000 pop'n	Per 1000 Total Births	Crude per 1000 pop'n	Adjusted per 1000 pop'n	Per 1000 Total Births	Per 1000 Total Births	Per 1000 Total Births	Per 1000 Total Births	Per 1000 Total Births	Per 1000 Total Births	Per 1000 Total Births	Neo-natal per 1000 Live Births					
1941	32,240	10.5	-	55.0	14.3	-	5.06	51	-	14.2	12.9	2.23	34.4	12.9	2.23	59	-
1942	32,580	13.8	-	46.8	15.1	-	Nil	56	-	15.8	11.6	2.01	33.0	11.6	2.01	49	27.2
1943	31,590	13.3	-	41.1	16.1	-	Nil	48	-	16.5	12.1	2.29	30.2	12.1	2.29	49	25.2
1944	31,420	15.6	-	23.8	15.3	-	1.98	24	-	17.6	11.6	1.93	27.7	11.6	1.93	46	24.3
1945	31,100	13.4	-	43.4	15.3	-	2.28	40	-	16.1	11.4	1.79	27.6	11.4	1.79	46	24.8
1946	32,650	16.2	-	50.1	15.1	-	Nil	28	-	19.1	11.5	1.43	27.2	11.5	1.43	43	24.5
1947	33,140	20.1	-	16.9	14.9	-	1.47	40	-	20.5	12.0	1.17	24.1	12.0	1.17	41	22.7
1948	34,530	16.4	-	25.7	15.0	-	Nil	40	-	17.9	10.8	1.02	23.2	10.8	1.02	34	19.7
1949	34,530	13.8	-	28.4	15.9	14.1	Nil	36	16.7	16.7	11.7	0.98	22.7	11.7	0.98	32	19.3
1950	34,670	14.1	15.1	10.1	16.3	14.5	4.04	12.2	10.2	15.8	11.6	0.86	22.7	11.6	0.86	29.8	18.5
1951	34,240	13.6	14.4	27.2	16.9	14.9	2.10	28.0	21.6	15.5	12.5	0.79	23.0	12.5	0.79	29.6	18.8
1952	33,900	13.4	14.2	21.5	13.7	12.1	2.15	17.5	13.1	15.3	11.3	0.72	22.6	11.3	0.72	27.6	18.3
1953	33,510	14.5	15.4	20.1	15.7	13.8	2.01	32.8	24.6	15.5	11.4	0.76	22.4	11.4	0.76	26.8	17.7
1954	33,390	11.1	12.1	28.8	15.1	13.5	Nil	21.6	16.2	15.2	11.3	0.69	23.4	11.3	0.69	25.5	17.7
1955	33,220	12.5	13.6	14.2	14.9	13.2	Nil	12.0	7.2	15.0	11.7	0.64	23.1	11.7	0.64	24.9	17.3
1956	32,700	13.6	14.8	22.0	15.9	15.3	Nil	18.0	15.8	15.7	11.7	0.56	23.0	11.7	0.56	23.8	16.9
1957	32,330	13.3	14.4	27.0	15.6	15.2	Nil	23.2	13.9	16.1	11.5	0.47	22.4	11.5	0.47	23.0	16.5
1958	32,060	13.5	14.5	20.4	15.3	14.6	Nil	25.5	11.6	16.4	11.7	0.43	21.6	11.7	0.43	22.5	16.2
1959	31,720	14.9	16.1	32.7	16.6	15.9	Nil	19.0	14.8	16.5	11.6	0.38	20.7	11.6	0.38	22.0	15.8
1960	31,470	14.8	16.0	33.1	16.9	16.1	2.07	17.1	15.0	17.1	11.5	0.39	19.7	11.5	0.39	21.7	15.6
1961	32,140	16.5	17.8	31.1	16.7	15.8	Nil	13.2	11.3	17.4	12.0	0.33	18.7	12.0	0.33	21.4	15.5
1962	32,000	16.8	18.2	21.8	16.1	15.3	Nil	16.7	14.8	18.0	11.9	0.35	18.1	11.9	0.35	21.4	15.1
1963	32,000	16.2	18.5	11.4	15.4	14.0	Nil	23.1	11.6	18.2	12.2	0.28	17.3	12.2	0.28	20.9	14.2
1964	31,540	16.4	18.7	7.7	14.7	13.4	Nil	21.2	19.3	18.4	11.3	0.25	16.3	11.3	0.25	20.0	13.8
1965	31,290	16.0	18.3	27.1	16.7	14.8	Nil	27.9	19.9	18.1	11.5	0.25	15.7	11.5	0.25	19.0	13.0
1966	30,980	17.8	20.2	7.2	16.7	14.7	Nil	21.8	14.5	17.7	11.7	0.26	15.4	11.7	0.26	19.0	12.9
1967	30,630	16.2	18.5	15.9	14.4	12.8	Nil	14.1	8.1	17.2	11.2	0.20	14.8	11.2	0.20	18.3	12.5
1968	31,400	15.9	18.1	15.8	15.7	14.1	Nil	14.0	6.0	16.9	11.9	0.24	14.3	11.9	0.24	18.3	12.4
1969	31,230	16.0	18.2	13.8	16.8	15.1	Nil	28.0	20.0	16.3	11.9	0.19	13.2	11.9	0.19	18.0	12.0
1970	30,800	17.6	20.1	7.3	15.7	13.8	1.83	16.6	12.9	16.0	11.7	0.18	13.2	11.7	0.18	18.2	12.3

VITAL STATISTICS

Table showing Vital Statistics for 1970 of Authorities in Health Division No.6 for comparison

	Nelson MB	Colne MB	Burnley RD	Padiham UD	Brierfield UD	Barrowford UD	Trawden UD
Estimated Population Mid-Year 1970							
	30,800	18,790	16,230	10,100	7,340	4,700	2,010
<u>Live Birth Rates, Etc.</u>							
Live Births per 1,000 pop'n (Crude Rate)	17.6	14.9	15.9	14.6	18.8	16.2	14.4
Local adjusted rate	20.1	18.0	18.1	16.2	20.9	20.3	18.1
Illegitimate live births as percentage of all live births	8	13	4	6	9	9	3
Stillbirth rate per 1,000 total births	7	4	4	20	14	-	-
<u>Mortality Rates, Etc.</u>							
Deaths per 1,000 pop'n (Crude Rate)	15.7	17.9	15.0	14.3	14.0	21.3	12.4
Local adjusted rate	13.8	16.5	12.9	13.6	14.0	16.6	11.4
Infant Mortality Rate per 1,000 live births	17	7	12	7	29	-	-
Neo-natal Mortality Rate per 1,000 live births	13	7	8	-	14	-	-
Early Neo-natal Mortality Rate per 1,000 live births	11	4	8	-	14	-	-
Peri-natal Mortality Rate per 1,000 total births	18	7	12	20	29	-	-
Malignant Neoplasms, Etc. Mortality per 1,000 pop'n	3.15	2.87	3.20	2.38	2.18	4.26	1.00
do	-	0.05	-	-	-	-	0.50
Respiratory Tuberculosis							

VITAL STATISTICS - CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING 1970 WITH EQUIVALENT DEATH RATES

PART 1

Cause of Death	Sex	Under 4 weeks	4 weeks & under 1 year	Age in years								Total All Ages	Rate per 1,000 pop'n	
				1-5	5-15	15-25	25-35	35-45	45-55	55-65	65-75 & over			
Other Tuberculosis	M.	-	-	-	-	-	-	-	-	-	-	-	1	0.03
Syphilis and its Sequelae	F.	-	-	-	-	-	-	-	-	-	-	-	1	0.03
Other Infective and Parasitic Diseases	M.	-	-	-	-	-	-	-	-	-	-	-	1	0.03
Malignant Neoplasm, Buccal Cavity, etc.	F.	-	1	-	-	-	-	-	-	-	-	-	1	0.07
do Stomach	M.	-	-	-	-	-	-	-	1	-	-	3	12	0.39
do Intestine	F.	-	-	-	-	-	-	-	-	-	-	3	5	0.49
do Lung, Bronchus	M.	-	-	-	1	-	-	-	-	2	-	2	6	0.55
do Breast	F.	-	-	-	1	-	-	2	-	-	3	7	17	0.45
do Uterus	M.	-	-	-	-	-	-	-	-	4	-	2	14	0.19
do Prostate	F.	-	-	-	1	-	-	1	-	-	-	1	6	0.13
Leukaemia	M.	-	-	-	-	-	-	-	-	-	-	-	1	0.03
Other Malignant Neoplasms	F.	-	-	-	-	-	-	-	-	-	-	-	-	0.84
Diabetes Mellitus	M.	-	-	-	-	-	-	2	4	5	3	11	26	0.13
Anaemias	F.	-	-	-	-	-	-	2	4	1	2	2	4	0.03
Multiple Sclerosis	M.	-	-	-	-	-	-	-	-	-	-	-	1	0.03
	F.	-	-	-	-	-	-	-	-	-	-	-	1	0.03
Totals c/f to Part 2	M.	-	-	1	1	-	1	5	10	16	15	48	106	
	F.	-	1	-	3	-	3	9	10	13	22	58		

VITAL STATISTICS - CAUSES OF DEATH AT DIFFERENT PERIODS OF LIFE DURING 1970 WITH EQUIVALENT DEATH RATES

PART 2

Cause of Death	Sex	Under 4 weeks	4 weeks & under 1 year	Age in years								Total All Ages	Rate per 1,000 pop'n
				1-	5-	15-	25-	35-	45-	55-	65-	75 & over	
Totals (b/f from Part 1)	M. F.	- -	- 1	- -	- -	1 -	- -	1 3	5 9	10 10	16 13	15 22	48) 106
Other Diseases of Nervous System	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	2 -	6
Chronic Rheumatic Heart Disease	M. F.	- -	- -	- -	- -	- -	- -	1 1	- -	- -	3 3	- 1	7
Hypertensive Disease	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	1 -	- -	- 1	2
Ischaemic Heart Disease	M. F.	- -	- -	- -	- -	- -	- -	- -	4 3	17 4	21 15	25 36	69) 127
Other Forms of Heart Disease	M. F.	- -	- -	- -	- -	- -	- -	- -	1 1	1 1	3 -	2 8	16
Cerebro-vascular Disease	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	3 3	5 13	16 20	25) 61
Other Diseases of Circulatory System	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	1 -	4 3	8 12	14) 29
Influenza	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- -	2 1	1 3	3) 10
Pneumonia	M. F.	- -	- -	- -	- -	- -	- -	- -	1 1	2 1	1 4	3 4	11) 31
Bronchitis and Emphysema	M. F.	1 -	- -	- -	- -	- -	- -	- -	- -	1 3	5 10	13 7	20) 28
Other Diseases of Respiratory System	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- -	1 1	5 -	6) 0.91
Peptic Ulcer	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	2 1	2) 0.13
Intestinal Obstruction and Hernia	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	2) 0.07
Totals c/f to Part 3	M. F.	- 1	1 1	- -	- -	1 2	5 5	12 13	39 21	69 55	81 125	210) 431	

PART 3

Cause of Death	Sex	Under 4 weeks	4 weeks & under 1 year	Age in years								Total All Ages	Rate per 1,000 pop'n
				1-	5-	15-	25-	35-	45-	55-	65-	75 & over	
Totals (b/f from Part 2)	M. F.	- 1	1 1	- -	- -	1 -	2 -	5 5	12 13	39 21	69 55	210) 221)	431
Cirrhosis of Liver	M. F.	- -	- -	- -	- -	- -	- -	- -	2 -	- 1	- -	2) 1)	3 0.10
Other Diseases of Digestive System	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- -	1 -	2) -	2 0.07
Nephritis and Nephrosis	M. F.	- -	- -	- -	- -	- -	- -	- -	- 1	1 -	- -	1) 3)	4 0.13
Other Diseases, Genito-Urinary System	M. F.	- -	- -	- -	- -	- -	- -	- -	- 1	- -	- -	-) 3)	3 0.10
Other Complications of Pregnancy	F.	-	-	-	-	-	-	1	-	-	-	1	0.03
Diseases of Skin, Subcutaneous Tissue	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	1) 1)	2 0.07
Diseases of Musculo-Skeletal System	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- -	- 1	-) 2)	2 0.07
Congenital Anomalies	M. F.	- 1	- -	- -	- -	- -	- -	- -	- -	- -	- -	-) 1)	1 0.03
Birth Injury, Difficult Labour, etc.	M. F.	2 -	- -	- -	- -	- -	- -	- -	- -	- -	- -	2) -	2 0.07
Other Causes of Perinatal Mortality	M. F.	2 1	- -	- -	- -	- -	- -	- -	- -	- -	- -	2) 1)	3 0.10
Symptoms and Ill-defined Conditions	M. F.	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	3) 3)	6 0.19
Motor Vehicle Accidents	M. F.	- -	- -	- -	- -	- -	- -	- -	- 1	- -	- 1	1) 4)	5 0.16
All Other Accidents	M. F.	- -	- -	1 1	- -	- -	- -	- -	- -	- -	2 1	7) 10)	17 0.55
Suicide and Self-Inflicted Injuries	M. F.	- -	- -	- -	- -	- -	- -	- -	- 1	- -	- 1	1) 2)	3 0.10
Totals	M. F.	4 3	1 1	2 -	2 1	5 7	2 -	14 17	41 23	72 59	89 142	232) 253)	485 15.75

VITAL STATISTICS

CLASSIFICATION OF INFANT DEATHS DURING 1970 ACCORDING TO CAUSES AND AGES

Cause of Death	<u>Neo-natal</u> (Under 4 wks.)		<u>Others</u> (4 wks.- 12 mths.)		<u>Total</u>	
	M.	F.	M.	F.	M.	F.
<u>Infective and Parasitic Diseases</u>						
Chickenpox	-	-	-	1	-	1
<u>Diseases of the Respiratory System</u>						
Pneumonia, unspecified	-	1	1	-	1	1
<u>Congenital Anomalies</u>						
Congenital anomalies of heart - unspecified	-	1	-	-	-	1
<u>Certain Causes of Perinatal Morbidity and Mortality - Other Complications of Pregnancy</u>						
Premature separation of placenta	1	1	-	-	1	1
<u>Anoxic and Hyponoxic conditions not elsewhere classified</u>						
Respiratory distress syndrome	2	-	-	-	2	-
<u>Immaturity, unqualified</u>	1	-	-	-	1	-
Totals	4	3	1	1	5	4
	7		2		9	

VITAL STATISTICS
ANALYSIS OF DEATHS FROM CANCER DURING 1970 AT DIFFERENT PERIODS OF LIFE AND WITH
EQUIVALENT DEATH RATES

PART 1

Location of Growth	Age Groups								Total M. F.	Total 1,000 pop'n 1970	Rate per 1,000 pop'n 1969
	15-24 M. F.	25-34 M. F.	35-44 M. F.	45-54 M. F.	55-64 M. F.	65-74 M. F.	75 & over M. F.				
BUCCAL CAVITY AND PHARYNX											
Other & unspecified parts of mouth	-	-	-	-	-	-	1	-	1	0.03	
Nasopharynx	-	-	-	-	-	-	-	-	1	0.03	
DIGESTIVE ORGANISMS AND PERITONEUM											
Oesophagus	-	-	-	-	-	-	-	-	-	0.06	
Stomach	-	-	-	1	-	2	4	3	7	0.39	
Small intestine including duodenum	-	-	-	-	-	-	-	-	-	-	
Large intestine except rectum	-	-	-	-	1	1	1	4	3	0.29	
Rectum and recto-sigmoid junction	-	-	1	-	1	1	-	2	3	0.19	
Liver & intra-hepatic ducts, specified as primary	-	-	-	-	1	-	1	-	2	0.10	
Pancreas	-	-	-	1	2	1	1	-	5	0.26	
RESPIRATORY SYSTEM											
Trachea, bronchus & lung	-	-	-	2	3	1	3	-	15	0.55	
BONE, CONNECTIVE TISSUE, SKIN & BREAST											
Bone	-	-	-	-	-	-	-	1	-	0.03	
Other malignant neoplasms of skin	-	-	-	-	-	-	-	1	-	0.03	
Breast	-	-	-	-	-	-	-	2	-	0.45	
Totals c/f to Part 2	-	-	1	4	8	12	11	12	36	73	

VITAL STATISTICS

ANALYSIS OF DEATHS FROM CANCER DURING 1970 AT DIFFERENT PERIODS OF LIFE AND WITH EQUIVALENT DEATH RATES

PART 2

Location of Growth	Age Groups								Total M. F.	Total M. F.	Rate per 1,000 pop'n 1970	Rate per 1,000 pop'n 1969
	15-24 M. F.	25-34 M. F.	35-44 M. F.	45-54 M. F.	55-64 M. F.	65-74 M. F.	75 & over M. F.					
Totals b/f from Part 1	- -	- -	1 2	4 4	8 8	12 11	11 12	36 37	73			
<u>GENITO URINARY ORGANS</u>												
Cervix Uteri	-	-	1	- 1	-	-	2	- 4	4	0.13	0.03	
Other malignant neoplasms of uterus	-	-	-	-	-	-	2	- 2	2	0.07	0.06	
Ovary, fallopian tube and broad ligament	-	-	-	- 2	- 1	-	-	- 3	3	0.10	0.03	
Prostate	-	-	-	-	-	2	-	- 4	4	0.13	0.06	
Bladder	-	-	-	-	1	1	1	2 2	4	0.13	0.13	
Other unspecified urinary organs	-	-	-	-	-	-	-	-	-	-	0.06	
<u>OTHER AND UNSPECIFIED SITES</u>												
Other parts of nervous system	-	-	-	1	-	-	-	1 -	1	0.03	-	
Thyroid gland	-	-	-	-	-	-	-	-	-	-	0.03	
Ill-defined sites	-	-	-	-	-	-	-	-	-	-	0.03	
Secondary & unspecified malignant neoplasm of lymph nodes	-	-	-	-	-	-	-	-	-	-	0.03	
Other secondary malignant neoplasm	-	-	-	- 1	-	1 1	-	1 3	4	0.13	0.03	
Malignant neoplasm without specification of site	-	-	-	-	- 1	-	1	- 1	1	0.03	0.03	
<u>LYMPHATIC AND HAEMATOPOIETIC TISSUE</u>												
Lymphosarcoma and reticulum cell sarcoma	-	-	-	-	-	-	-	-	-	-	0.03	
Hodgkins Disease	-	-	-	-	-	-	-	-	-	-	0.03	
Other neoplasms of lymphoid tissue	-	-	-	-	-	-	-	-	-	-	0.03	
Multiple myeloma	-	-	-	-	-	-	-	-	-	-	0.03	
Myeloid leukaemia	1	-	-	-	-	-	-	1 -	1	0.03	0.06	
Totals	1 -	- -	1 3	5 8	9 10	15 13	14 18	45 52	97	3.15	3.36	
	1	-	4	13	19	28	32	97				

1970 - MONTHLY ANALYSIS OF DEATHS

WITH RATES PER 1,000 POPULATION

Month	Actual Deaths in Nelson		Outward Transfers		Inward Transfers		Nett deaths in Nelson			
							Number			Rate per 1,000 pop'n
	M.	F.	M.	F.	M.	F.	M.	F.	Total	
January	23	25	-	1	16	22	39	46	85	2.76
February	15	13	1	-	7	11	21	24	45	1.46
March	17	8	1	-	8	12	24	20	44	1.43
April	12	8	3	-	5	5	14	13	27	0.88
May	8	14	1	5	11	12	18	21	39	1.27
June	14	11	1	-	7	16	20	27	47	1.53
July	5	6	1	-	14	9	18	15	33	1.07
August	5	12	1	4	12	3	16	11	27	0.88
September	6	10	-	2	3	10	9	18	27	0.88
October	6	10	1	1	10	12	15	21	36	1.17
November	8	8	-	2	6	10	14	16	30	0.97
December	14	13	3	-	13	8	24	21	45	1.45
Totals	133	138	13	15	112	130	232	253	485	15.75

1970

SUMMARY OF AGES AT DEATH

Age Groups	Deaths in Nelson		Outward Transfers		Inward Transfers		Total Deaths Allocated to Nelson			% of each group to total deaths
	M.	F.	M.	F.	M.	F.	M.	F.	Total	
Under 1 year	-	-	-	-	5	4	5	4	9	1.86
1 year	-	-	-	-	-	-	-	-	-	-
2 - 4 years	-	-	-	-	2	-	2	-	2	0.41
5 - 9 years	-	-	-	-	-	-	-	-	-	-
10 - 14 "	-	-	-	-	-	-	-	-	-	-
15 - 19 "	1	-	1	-	1	1	1	1	2	0.41
20 - 24 "	-	-	-	-	1	-	1	-	1	0.21
25 - 29 "	-	-	-	-	1	-	1	-	1	0.21
30 - 34 "	-	-	-	-	1	-	1	-	1	0.21
35 - 39 "	2	1	-	-	1	2	3	3	6	1.24
40 - 44 "	3	3	1	-	-	1	2	4	6	1.24
45 - 49 "	4	5	-	1	5	2	9	6	15	3.09
50 - 54 "	4	6	-	-	1	4	5	10	15	3.09
55 - 59 "	7	3	3	-	8	5	12	8	20	4.12
60 - 64 "	12	6	-	-	15	12	27	18	45	9.28
65 - 69 "	25	9	2	2	15	6	38	13	51	10.52
70 - 74 "	17	28	1	5	18	23	34	46	80	16.49
75 - 79 "	28	26	2	5	16	29	42	50	92	18.97
80 - 84 "	20	28	2	1	10	24	28	51	79	16.29
85 - 89 "	5	14	1	-	10	13	14	27	41	8.45
90 - 94 "	5	8	-	1	2	3	7	10	17	3.50
95 - 99 "	-	1	-	-	-	1	-	2	2	0.41
Totals	133	138	13	15	112	130	232	253	485	100.00

ANNUAL PERCENTAGE SUMMARY OF AGES AT DEATH 1960 - 1970 INCLUSIVE

Age groups	Each age group as percentage of total annual deaths										
	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
Under 1 year	1.50	1.31	1.75	2.43	2.38	2.69	2.32	1.59	1.42	2.85	1.86
1 year	0.38	0.19	-	-	-	-	0.19	0.23	-	-	-
2 - 4 years	-	0.19	-	-	0.22	0.20	0.19	0.23	-	0.38	0.41
5 - 9 years	0.38	0.74	0.39	-	0.22	0.20	0.19	-	0.41	-	-
10 - 14 years	-	0.19	-	-	-	-	-	0.45	0.20	-	-
15 - 19 years	0.19	0.19	0.19	0.20	0.22	-	0.19	0.45	-	0.38	0.41
20 - 24 years	-	0.37	0.19	0.20	-	0.38	0.19	0.23	0.20	0.38	0.21
25 - 29 years	-	-	-	-	-	0.57	0.39	-	0.20	-	0.21
30 - 34 years	0.38	0.37	0.39	0.61	0.43	0.20	0.39	0.68	-	0.38	0.21
35 - 39 years	0.94	0.19	0.78	0.61	0.43	1.53	0.97	0.68	0.20	0.19	1.24
40 - 44 years	1.31	0.93	1.17	0.82	1.28	1.92	0.77	1.36	1.02	1.52	1.24
45 - 49 years	2.44	1.88	1.75	1.82	2.16	0.77	2.13	1.13	2.44	2.86	3.09
50 - 54 years	4.13	3.54	5.05	3.04	3.23	3.45	1.93	4.76	2.03	2.67	3.09
55 - 59 years	5.81	5.41	5.63	6.69	4.53	4.80	5.03	6.12	5.69	5.34	4.12
60 - 64 years	9.94	9.51	9.32	12.58	11.64	9.02	8.90	7.48	8.54	10.10	9.28
65 - 69 years	14.26	13.80	13.98	12.58	14.44	12.48	12.96	14.97	14.43	15.43	10.52
70 - 74 years	16.51	16.60	16.88	15.21	18.10	21.11	17.22	16.56	14.43	17.52	16.49
75 - 79 years	19.32	19.40	19.42	17.44	18.75	15.93	18.38	18.14	19.92	14.86	18.97
80 - 84 years	11.25	14.74	13.79	15.42	12.28	14.20	18.38	13.60	16.46	15.80	16.29
85 - 89 years	9.57	8.77	7.96	8.32	7.76	7.29	7.35	7.94	8.94	6.29	8.45
90 - 94 years	1.31	1.49	0.97	1.62	1.93	2.88	1.74	2.95	3.05	2.67	3.50
95 - 99 years	0.38	0.19	0.39	0.41	-	0.38	0.19	0.45	0.41	0.38	0.41
Total Deaths	533	536	515	493	464	521	517	441	492	525	485

VITAL STATISTICS

PERCENTAGE OF TOTAL DEATHS, ACCORDING TO AGES, (AT FIVE-YEAR INTERVALS) FROM 1920 - 1970

Ages	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970
Under 1 year	13.2	7.7	7.7	5.9	3.6	3.6	1.1	1.0	1.5	2.7	1.86
1 - 4 years	2.2	5.3	2.3	1.1	0.8	0.4	0.4	0.6	0.4	0.2	0.41
5 - 14 "	3.2	2.1	1.6	1.7	0.4	Not available		0.6	0.4	0.2	-
15 - 44 "	20.2	15.5	12.0	12.6	10.0	2.1	2.6	2.8	4.6	3.50	
45 - 64 "	26.1	32.8	29.8	28.5	28.1	26.9	26.9	25.5	22.3	18.0	19.59
65 years & over	35.1	36.6	46.6	50.2	57.1	69.1	69.1	69.7	72.6	74.3	74.64
Total Deaths	410	478	483	460	530	478	564	494	533	521	485
Population	43,095	39,990	39,760	37,096	33,520	31,100	34,670	33,220	31,470	31,290	30,800
Death Rate	9.5	11.9	12.1	12.4	15.8	15.3	16.3	14.9	16.9	16.7	15.7

VITAL STATISTICS

DEATHS OCCURRING IN NELSON AND OUTWARD AND INWARD TRANSFERABLE DEATHS
 IN PERCENTAGE COMPARISON WITH THE NETT DEATHS ASSIGNED TO NELSON
 EACH YEAR OVER THE PERIOD 1933 - 1970 INCLUSIVE

Year	Deaths in Nelson					Deaths out of Borough Inward Transfers to Nelson		Nett deaths assigned to Nelson
	Actual Number	Outward Transfers to other areas	Deaths in Nelson of residents	Actual Number	% of nett deaths	Actual Number	% of nett deaths	
1970	271	28	10.3	243	50.1	242	49.9	485
1969	342	48	14.0	294	56.0	231	44.0	525
1968	313	42	13.4	271	55.1	221	44.9	492
1967	276	31	11.1	245	55.6	196	44.4	441
1966	331	42	12.7	289	55.9	228	44.1	517
1965	321	49	15.3	272	52.2	249	47.8	521
1964	325	42	14.8	283	61.0	181	39.0	464
1963	369	52	14.1	317	64.3	176	35.7	493
1962	356	47	13.2	309	60.0	206	40.0	515
1961	375	40	11.9	335	62.5	201	37.5	536
1960	362	43	13.5	319	59.9	214	40.1	533
1959	366	34	10.2	332	63.1	194	36.9	526
1958	381	50	15.1	331	67.7	158	32.3	489
1957	408	49	13.6	359	71.1	146	28.9	505
1956	414	54	15.0	360	69.1	161	30.9	521
1955	406	58	16.6	348	70.4	146	29.6	494
1954	411	59	16.8	352	69.7	153	30.3	505
1953	439	47	12.0	392	74.5	134	25.5	526
1952	382	52	13.6	330	71.0	135	29.0	465
1951	440	26	5.9	414	71.4	166	28.6	580
1950	451	30	6.6	421	74.6	143	25.4	564
1949	433	25	5.8	408	74.5	140	25.5	548
1948	386	15	3.9	371	71.3	149	28.7	520
1947	419	26	6.2	393	79.1	104	20.7	497
1946	412	26	6.3	386	78.1	108	21.9	494
1945	389	18	4.6	371	77.6	107	22.4	478
1944	367	18	5.1	349	72.6	132	27.4	481
1943)								(509
1942)								(491
1941)								(491
1940	406	10	2.5	396	74.7	134	25.3	530
1939	415	19	4.6	396	75.4	129	24.6	525
1938	426	12	2.8	414	75.3	136	24.7	550
1937	395	12	3.0	383	78.0	108	22.0	491
1936	401	21	5.2	380	79.2	100	20.8	480
1935	368	13	3.5	355	77.2	105	22.8	460
1934	401	17	4.2	384	80.7	92	19.3	476
1933	462	23	5.0	439	81.9	97	18.1	536

War years - figures not available

VITAL STATISTICS

DEATHS OCCURRING IN HOSPITALS OR INSTITUTIONS IN RELATION TO TOTAL DEATHS DURING 1970

Quarter Ended	Deaths in Nelson		Outward Transfers		Inward Transfers		Nett Deaths	
	Total M. F.	In Hosp. or Inst. M. F.	Total M. F.	In Hosp. or Inst. M. F.	Total M. F.	In Hosp. or Inst. M. F.	Total M. F.	In Hosp. or Inst. M. F.
31st March	55 46 101	6 4 10 9.9%	2 1 3	2 1 3 100%	31 45 76	30 43 73 96.0%	84 90 174	34 46 80 46.0%
30th June	34 33 67	7 10 17 25.4%	5 5 10	4 5 9 90.0%	23 33 56	23 32 55 98.2%	52 61 113	26 37 63 55.7%
30th September	16 28 44	3 11 14 31.8%	2 6 8	1 7 8 100%	29 22 51	29 22 51 100%	43 44 87	31 26 57 65.5%
31st December	28 31 59	6 10 16 27.1%	4 3 7	4 2 6 85.7%	29 30 59	28 29 57 96.6%	53 58 111	30 37 67 60.4%
Total for the year	133 138 271	22 35 57 21.0%	13 15 28	11 15 26 92.8%	112 130 242	110 126 237 97.9%	232 253 485	121 146 267 55.0%

VITAL STATISTICS

PERCENTAGE OF DEATHS WHICH OCCURRED IN HOSPITALS, INSTITUTIONS, ETC., ANNUALLY

FROM 1955 - 1969 INCLUSIVE, WITH QUINQUENNIAL AVERAGES AND 1970

Year	Deaths in Nelson			Inward Transfer Deaths From Other Areas		Nett Deaths Assigned to Nelson	
	Total Number in Nelson	% occurring in hospital, inst. etc.	Outward Transfers to Other Areas	% occurring in hospital, inst. etc.	Total Number	% occurring in hospital, inst. etc.	Total Number
1955	406	21.9	58	81.0	146	73.9	494
1956	414	20.8	54	87.0	161	96.9	521
1957	408	19.8	49	93.8	146	94.5	505
1958	381	17.6	50	84.0	158	90.5	489
1959	366	15.3	34	82.3	194	95.9	526
Average	395	19.1	49	85.6	161	90.3	507
1960	362	20.4	43	81.4	214	95.3	533
1961	375	18.4	40	77.5	201	93.5	536
1962	356	19.9	47	78.7	206	96.6	515
1963	369	23.0	52	86.5	176	96.6	493
1964	325	20.3	42	88.1	181	95.0	464
Average	357	20.4	45	82.4	196	95.4	508
1965	321	20.6	49	77.5	249	95.6	521
1966	331	20.8	42	83.3	228	94.3	517
1967	276	18.5	31	87.1	196	93.9	441
1968	313	22.0	42	85.7	221	93.2	492
1969	342	21.9	48	91.7	231	98.3	525
Average	317	20.8	42	85.1	225	95.1	499
1970	271	21.0	28	92.8	242	97.9	485
							55.0

SECTION B

GENERAL PROVISION OF
HEALTH SERVICES
FOR THE AREA

Particulars of the staff of the Health Department are given on page 7 of this report.

In subsequent sections, full details will be found relating to infectious diseases and environmental health services within the Borough, for which the Council is directly responsible.

The present section relates to those health services which concern more the personal health and welfare of the individual rather than public health and the community.

Liaison between County Council Services and Borough Council Services is facilitated by the fact that your Medical Officer of Health is also Schools Medical Officer and Divisional Medical Officer.

HOSPITALS

The Hospital Services for the Borough are provided by the Burnley and District Hospital Management Committee of the Manchester Regional Hospital Board and action is taken by them to secure adequate hospital treatment for the varying needs of the people.

Hospitals in the Burnley district available to Nelson residents are as follows:-

Reedyford Memorial Hospital, Nelson
 Grove House Recovery Home, Barrowford
 Hartley Hospital, Colne
 Bank Hall Hospital, Burnley
 Edith Watson Maternity Unit, General Hospital, Burnley
 General Hospital, Burnley
 Marsden Hospital, Burnley
 Victoria Hospital, Burnley

Patients suffering from infectious diseases are, when necessary, admitted to Marsden Hospital, Burnley.

VENEREAL DISEASES CLINICS

This service is also provided by the Burnley and District Hospital Management Committee and separate clinics are held twice a week, for both male and female patients, at the Victoria Hospital, Burnley.

LABORATORY FACILITIES

The facilities of the Public Health Laboratory, Royal Infirmary, Meadow Street, Preston, are available for the use of your Authority.

Samples of water, milk, ice-cream, etc., were submitted for examination and the results are given in the appropriate sections of this report.

WELFARE OF THE AGED

The responsibility for the care of the aged in their own homes belongs to the Lancashire County Council as the Health Authority for the Borough. Under the Divisional scheme the specially appointed Welfare Organiser co-operates with representatives and officers of all statutory and voluntary bodies and organisations concerned with this aspect of public health.

As a supplement to the County Council services your Council also provides a Welfare Service for the aged. This is financed by the Mayor's Welfare Fund and subscriptions from employers and voluntary organizations.

At the end of the year eleven full-time welfare workers were employed. By arrangement with the Barrowford Urban District Council one of these works in their area. During the year more than 47,000 visits were made in the performance of their duties, approximately 5,000 of which were in Barrowford. These include the visiting of the aged in their own homes and giving assistance by helping with such things as shopping, collecting pensions, lighting fires and making drinks, etc.

The Meals on Wheels Service was inaugurated in 1966. The meals are prepared by a firm of caterers, who also operate a local factory canteen, and are transported to the homes of recipients in the special vehicle for this purpose which was donated jointly by the Nelson Round Table and the Nelson Ladies' Circle.

Thirty-one meals are distributed each day on Tuesdays, Wednesdays and Fridays by the Mayor's Welfare Section in co-operation with the local branch of the Women's Royal Voluntary Services, assisted on occasions by senior pupils from two of the local Secondary Modern Schools. There is quite a demand for this much appreciated service.

Furthermore, the Luncheon Club for the aged continues to be held in the Civic Theatre, Stanley Street, Nelson, on Thursdays, an average of 85 persons being catered for. These meals are supplied by another firm of caterers who also operate a local factory canteen.

There are six Social Clubs for Aged Persons in the Borough, five of which are provided by your Council, and these have a total membership of over 2,500.

NATIONAL ASSISTANCE ACTS, 1948 AND 1951 (SECTION 47)

No applications for orders for the removal to suitable premises of persons in need of care and attention were made during the year.

TUBERCULOSIS SERVICE

The Chest Clinic for the area is situate at the Marsden Hospital, Burnley, to which known, and suspected, cases of tuberculosis are referred by medical practitioners. Patients are also visited in their own homes by Health Visitors employed by the Lancashire County Council Health Division No.6. These Health Visitors work in co-operation with the Chest Clinic and advise on the care and after-care of patients.

NATIONAL ASSISTANCE ACT, 1948 (SECTION 50)

It is the duty of the Local Authority to arrange for the burial of the body of a person who has died or been found dead in their area where it appears that no suitable arrangements for the disposal of the body are being made.

One such case was dealt with during the year.

OTHER SERVICES

The Borough of Nelson forms part of the Lancashire County Council Health Division No.6 and the following is a summary of the services provided by the County Council and administered from the Divisional Health Office, Oakleigh, Reedley, Nr. Burnley.

- Ambulance Service
- Care of Mothers and Young Children
 - Ante-natal Clinics
 - Child Health Clinics
 - Day Nurseries
 - Nurseries and Child Minders Regulations
 - Problem Families
 - Relaxation Classes
 - Unmarried Mothers
- Health Visiting
- Home Nursing
- Immunisation and Vaccination
 - Measles, Diphtheria, Whooping Cough, Tetanus,
 - Poliomyelitis, Smallpox and Tuberculosis
- Medical Examinations
- Mental Health
 - Mental Illness and Subnormality
 - Training Centres
 - Hostels
- Midwifery Service
- Prevention of Illness - Care and After-Care
 - Cervical Cytology
 - Chiropody
 - Convalescence
 - Health Education
 - Laundry Service
 - Loan of Nursing Equipment
 - Home Help Service
 - Night and Evening Help Service
 - Tuberculosis
- Welfare Services for the Aged
 - Homes for the Aged
 - Registration of Private Homes
 - Residential Accommodation
 - Short-stay Accommodation
- Welfare Service for Handicapped Persons
 - Blind and Partially Sighted
 - Deaf and Dumb
 - Physically Handicapped (General Classes)
 - Social Centres

Information regarding these services are given in my report as Divisional Medical Officer.

SECTION C

PREVALENCE OF, AND CONTROL OVER
INFECTIOUS AND OTHER DISEASES



INFECTIOUS AND OTHER NOTIFIABLE DISEASES

The total of 224 notifications received was a marked increase, being almost four times the number received during the previous year and the most in any year since 1966, which had a total of 487. The increase was in the number of cases of measles notified which gave a case incidence rate of 5.68 per 1,000 population compared with a national incidence rate of 6.273 per 1,000 population. Most of these occurred during the months of May, June and July.

There was also an increase of 5 in the number of notifications of tuberculosis, giving a total of 29 cases (respiratory: 16 males and 3 females, non-respiratory: 4 males and 6 females), the most in any year since 1958 when there were 34 notifications. Most of these cases, 22 (respiratory 16 and non-respiratory 6), were Commonwealth Immigrants. The incidence rate for this disease was 0.94 per 1,000 population (respiratory 0.62 and non-respiratory 0.32) compared with a national rate, that is for England and Wales as a whole, of 0.244 per 1,000 population (respiratory 0.194 and non-respiratory 0.050). One death occurred from military tuberculosis and this was an un-notified case, also a Commonwealth Immigrant.

Altogether 31 new patients were added to the register of tuberculosis persons during 1970, the 29 new notifications and 2 transfers from other areas. There were 7 names deleted, 4 of patients who had recovered, another 2 who had left the district and 1 who died from a cause other than tuberculosis.

Food Poisoning was notified on five occasions. An outbreak of 3 cases caused by a grandparent with food poisoning symptoms going to live temporarily with her married daughter and family. The grandparent was later admitted to hospital and the diagnosis confirmed (*Salmonella typhi-murium*) but a grandchild and the child of a neighbour had also become infected. The diagnosis was also confirmed in each of these cases. Two other isolated cases did occur, one a *salmonella typhi-murium* infection and the other a *salmonella-enteritidis*, the latter became infected whilst on holiday and was admitted to hospital on return. In none of these cases was the vehicle of infection ascertainable.

HOSPITAL ACCOMMODATION FOR INFECTIOUS DISEASES

This is provided by the Burnley and District Hospital Management Committee at Marsden Hospital, Burnley, when required, for all infectious diseases with the exception of smallpox. If on occasions, accommodation thereat is not available, arrangements are then made through the Bed Bureau for admission of the patient to an isolation hospital under the control of a neighbouring Hospital Management Committee.

PUBLIC HEALTH ACT, 1936 - SECTION 172

It was not found necessary to invoke the provisions of this Section for the removal to hospital of any infectious person suffering from tuberculosis of the respiratory tract.

DISINFECTION AFTER INFECTIOUS DISEASES

Generally the disinfection of rooms, bedding and personal clothing is no longer recommended except in cases of smallpox and some cases of tuberculosis. Experience has shown that cleansing with soap and water and the use of a disinfectant together with efficient ventilation of rooms is adequate, but disinfection is still carried out if specially requested. There were no such requests during the year.

Scabies is not a notifiable disease, but occasionally cases are discovered through the school medical service and referred to this Department for treatment. This is carried out on our behalf by the County Borough of Burnley on a payment basis, as and when required. The steam disinfection of personal clothing and bedding, etc., forms part of the treatment.

The following Tables give detailed information relative to:-

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

Cases notified during 1970.

Comparison of 1970 figures with previous five years and average.

Monthly Incidence of Notified Cases during 1970.

Comparison of Case Rates for Nelson and National Rates during 1970.

Tuberculosis - Analysis of New Cases and Deaths during 1970 according to Age Group and Sex.

Tuberculosis - Particulars of New Cases and Deaths annually over period of 30 years.

Tuberculosis - Number of Cases on Register during 1970.

CASES OF INFECTIOUS & OTHER NOTIFIABLE DISEASES

NOTIFIED DURING 1970

Notifiable Diseases	Total Cases	Age Period - Years											
		0-	1-	2-	3-	4-	5-	10-	15-	25 and over			
Measles (excluding rubella)	175	9	15	22	24	18	84	2	1	-			
Dysentery	1	-	-	-	-	-	-	-	-	1			
Scarlet Fever	3	-	-	-	-	-	3	-	-	-			
Diphtheria	-	-	-	-	-	-	-	-	-	-			
Acute meningitis	2	1	1	-	-	-	-	-	-	-			
Acute poliomyelitis -													
Paralytic	-	-	-	-	-	-	-	-	-	-			
Non-paralytic	-	-	-	-	-	-	-	-	-	-			
Totals	181	10	16	22	24	18	87	2	1	1			
		0-		5-		15-		45-		65 and over			
Acute encephalitis -													
Infective	-	-		-		-		-		-			
Post-infectious	-	-		-		-		-		-			
Leptospirosis	-	-		-		-		-		-			
Paratyphoid Fever	-	-		-		-		-		-			
Typhoid Fever	-	-		-		-		-		-			
Food Poisoning	5	-		2		2		1		-			
Totals	5	-		2		2		1		-			
		0-	1-	2-	5-	10-	15-	20-	25-	35-	45-	55-	65-
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-
Infective jaundice	1	-	-	-	-	1	-	-	-	-	-	-	-
Tuberculosis -													
Respiratory	19	-	-	-	-	5	5	-	2	2	2	-	3
Meninges and C.N.S.	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	10	-	-	-	-	1	1	-	2	3	1	-	2
Whooping Cough	8	-	-	5	2	1	-	-	-	-	-	-	-
Totals	38	-	-	5	2	8	6	-	4	5	3	-	5
Smallpox	-												
Ophthalmia neonatorum	-												
Anthrax	-												
Yellow Fever	-												
Malaria	-												
Grand Total	224												

INFECTIOUS AND OTHER NOTIFIABLE DISEASES - NOTIFICATIONS

Comparison of 1970 figures with those of the previous 5 years and average

Notifiable Diseases	Notifications received during					Total for 5 yrs	Average number per year	Notifications 1970
	1965	1966	1967	1968	1969			
Measles (excluding Rubella)	94	462	12	119	33	720	144.0	175
Dysentery	5	1	10	-	1	17	3.4	1
Scarlet Fever	1	9	-	5	1	16	3.2	3
Diphtheria	-	-	-	-	-	-	-	-
Meningococcal Infection (a)	-	-	-	-	-	-	-	-
Acute Meningitis	-	-	-	-	-	-	-	2
Acute Poliomyelitis -								
Paralytic	-	-	-	-	-	-	-	-
Non-paralytic	-	-	-	-	-	-	-	-
Acute Encephalitis -								
Infective	-	-	-	-	-	-	-	-
Post Infectious	-	-	-	-	-	-	-	-
Acute Pneumonia (a)	3	1	-	1	-	5	1.0	-
Leptospirosis	-	-	-	-	-	-	-	-
Paratyphoid Fever	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-
Food Poisoning	-	4	1	3	2	10	2.0	5
Erysipelas (a)	-	-	-	-	-	-	-	-
Puerperal Pyrexia (a)	-	-	-	-	-	-	-	-
Tetanus	-	-	-	-	-	-	-	-
Infective Jaundice	-	-	-	-	-	-	-	1
Tuberculosis -								
Respiratory	5	6	7	8	14	40	8.0	19
Meninges & C.N.S.	-	-	-	-	-	-	-	-
Other	6	3	6	4	10	29	5.8	10
Whooping Cough	8	-	21	3	-	32	6.4	8
Ophthalmia Neonatorum	-	1	-	-	-	1	0.2	-
Smallpox	-	-	-	-	-	-	-	-
Anthrax	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-
Malaria	-	-	-	-	1	1	0.2	-
Totals	122	487	57	143	62	871	174.2	224

(a) Not notifiable from 1st October, 1968

INFECTIOUS AND OTHER NOTIFIABLE DISEASES
MONTHLY INCIDENCE OF NOTIFIED CASES DURING 1970

Notifiable Diseases	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
Measles (excluding Rubella)	-	-	4	5	46	76	36	4	1	-	2	1	175
Dysentery	-	-	-	-	-	1	-	-	-	-	-	-	1
Scarlet Fever	1	1	-	-	1	-	-	-	-	-	-	-	3
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Meningitis	2	-	-	-	-	-	-	-	-	-	-	-	2
Acute Poliomyelitis -													
Paralytic	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-paralytic	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Encephalitis -													
Infective	-	-	-	-	-	-	-	-	-	-	-	-	-
Post-Infectious	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptospirosis	-	-	-	-	-	-	-	-	-	-	-	-	-
Paratyphoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Food Poisoning	-	-	-	-	-	-	2	3	-	-	-	-	5
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-
Infective Jaundice	-	-	-	1	-	-	-	-	-	-	-	-	1
Tuberculosis -													
Respiratory	-	1	3	2	1	4	3	1	-	-	1	3	19
Meninges & C.N.S.	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	1	-	2	-	-	1	1	1	2	1	1	10
Whooping Cough	-	-	-	-	-	-	-	-	1	-	-	7	8
Ophthalmia Neonatorum	-	-	-	-	-	-	-	-	-	-	-	-	-
Smallpox	-	-	-	-	-	-	-	-	-	-	-	-	-
Anthrax	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals	3	3	7	10	48	81	42	9	3	2	4	12	224

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

COMPARISON OF CASE RATES FOR CERTAIN DISEASES NOTIFIED DURING
THE YEAR 1970

Notifications (Corrected)	(1) England and Wales		(2) Nelson	
	Number of notifs.	Rate per 1,000 home population	Number of notifs.	Rate per 1,000 home population
Measles	307,279	6,273	175	5.68
Dysentery	10,767	0.220	1	0.03
Scarlet Fever	13,138	0.268	3	0.10
Whooping Cough	16,597	0.339	8	0.26
Infective Jaundice	21,563	0.440	1	0.10
Tuberculosis -				
Respiratory	9,484	0.194	19	0.62
Meninges and C.N.S.	92	0.002	-	-
Other forms	2,331	0.048	10	0.32
Diphtheria	22	0.000	-	-
Tetanus	22	0.000	-	-
Acute Meningitis	1,322	0.027	2	0.06
Acute Encephalitis -				
Infective	114	0.002	-	-
Post Infectious	124	0.003	-	-
Ophthalmia Neonatorum	464	0.009	-	-
Acute Poliomyelitis -				
Paralytic	6	0.000	-	-
Non-paralytic	1	0.000	-	-
Leptospirosis	14	0.000	-	-
Paratyphoid Fever	207	0.004	-	-
Typhoid Fever	156	0.003	-	-
Food Poisoning	7,566	0.154	5	0.16
Anthrax	5	0.000	-	-
Smallpox	-	-	-	-
Plague	-	-	-	-
Cholera	-	-	-	-
Typhus Fever	-	-	-	-
Relapsing Fever	-	-	-	-
Yellow Fever	-	-	-	-

(1) Provisional figures based on Registrar General's Quarterly Returns

Estimated Home Population Mid-1970 (1) 48,987,700

(2) 30,800

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

ANALYSIS OF NEW CASES OF TUBERCULOSIS AND DEATHS FROM THE
DISEASE ACCORDING TO AGE GROUP AND SEX DURING 1970

Age Periods	New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 year	-	-	-	-	-	-	-	-
1 year	-	-	-	-	-	-	-	-
2 to 4 years	-	-	-	-	-	-	-	-
5 to 9 years	-	-	-	-	-	-	-	-
10 to 14 years	5	-	1	-	-	-	-	-
15 to 19 years	4	1	1	-	-	-	-	-
20 to 24 years	-	-	-	-	-	-	-	-
25 to 34 years	2	-	-	2	-	-	-	-
35 to 44 years	1	1	-	3	-	-	-	-
45 to 54 years	2	-	1	-	-	-	-	1
55 to 64 years	-	-	-	-	-	-	-	-
65 to 74 years	-	1	1	-	-	-	-	-
75 and upwards	2	-	-	1	-	-	-	-
Totals	16	3	4	6	-	-	-	1
	19		10		-		1	

INFECTIOUS AND OTHER NOTIFIABLE DISEASES

TUBERCULOSIS

PARTICULARS OF NEW CASES AND DEATHS OVER PERIOD OF 30 YEARS

1. NEW CASES						Rate per
Year	<u>Respiratory</u>		<u>Non-respiratory</u>		<u>Total</u>	<u>1,000 Population</u>
	<u>Male</u>	<u>Female</u>	<u>Male</u>	<u>Female</u>		
1970	16	3	4	6	29	0.94
1969	7	7	3	7	24	0.77
1968	2	6	1	3	12	0.39
1967	5	2	5	1	13	0.42
1966	5	1	1	2	9	0.29
1965	5	-	5	1	11	0.35
1964	11	-	2	2	15	0.47
1963	2	1	2	-	5	0.16
1962	12	9	3	-	24	0.75
1961	3	3	2	1	9	0.28
1960	7	7	3	-	17	0.54
1959	10	5	3	1	19	0.59
1958	17	15	-	2	34	1.06
1957	9	5	1	1	16	0.49
1956	10	10	-	2	22	0.67
1955	14	10	1	1	26	0.78
1954	12	13	1	3	29	0.86
1953	7	16	3	1	27	0.80
1952	12	12	5	2	31	0.91
1951	14	8	6	7	35	1.02
1950	13	4	6	7	30	0.86
1949	24	15	4	9	52	1.50
1948	22	10	4	7	43	1.24
1947	12	9	2	4	27	0.79
1946	25	6	3	9	43	1.31
1945	16	9	4	10	39	1.25
1944	18	9	3	11	41	1.30
1943	19	5	11	7	42	1.32
1942	20	8	6	9	43	1.31
1941	15	11	10	2	38	1.10

2. DEATHS

1970	-	-	-	1	1	0.03
1969	1	-	-	-	1	0.03
1968	-	-	-	-	-	-
1967	-	-	-	-	-	-
1966	2	-	-	-	2	0.06
1965	1	-	-	-	1	0.03
1964	1	-	-	-	1	0.03
1963	1	-	-	-	1	0.03
1962	-	-	-	-	-	-
1961	1	-	-	-	1	0.03
1960	1	1	-	-	2	0.06
1959	1	-	1	-	2	0.06
1958	1	-	-	-	1	0.03
1957	3	1	1	-	5	0.15
1956	4	3	-	-	7	0.21
1955	2	1	-	-	3	0.09
1954	-	2	1	-	3	0.09
1953	5	1	1	-	7	0.21
1952	9	2	-	-	11	0.32
1951	4	2	1	1	8	0.23
1950	5	8	-	-	13	0.37
1949	12	5	2	2	21	0.60
1948	11	8	2	2	23	0.66
1947	3	4	-	-	7	0.21
1946	9	3	2	1	15	0.45
1945	10	3	-	3	16	0.50
1944	14	3	1	1	19	0.60
1943	7	5	5	1	18	0.57
1942	6	4	1	3	14	0.43
1941	9	9	3	-	21	0.62

INFECTIOUS AND OTHER NOTIFIABLE DISEASESTUBERCULOSISNUMBER OF CASES ON TUBERCULOSIS REGISTER DURING 1970

	Pulmonary			Non-Pulmonary			Total		
	M.	F.	Total	M.	F.	Total	M.	F.	Total
<u>Number of cases on register at commencement of year</u>	49	37	86	23	17	40	72	54	126
<u>Number of cases added to register during the year:-</u>									
(a) New Cases	16	3	19	4	6	10	20	9	29
(b) Inward transfers from other districts	2	-	2	-	-	-	2	-	2
(c) Other	-	-	-	-	-	-	-	-	-
<u>Total Cases</u>	67	40	107	27	23	50	94	63	157
<u>Number of cases removed from register during year:-</u>									
(a) Died	1	-	1	-	-	-	1	-	1
(b) Recovered	1	1	2	2	-	2	3	1	4
(c) Left District	-	1	1	1	-	1	1	1	2
<u>Total deletions</u>	2	2	4	3	-	3	5	2	7
<u>Number of cases on register at end of year</u>	65	38	103	24	23	47	89	61	150

ANNUAL REPORT
OF THE
SENIOR PUBLIC HEALTH INSPECTOR
FOR THE YEAR ENDED
31st DECEMBER, 1970

Mr. Chairman, Ladies and Gentlemen,

I have pleasure in submitting my Annual Report on the environmental services provided by this Department.

HOUSING

The acceptance by the Health Committee of a programme of 4 Clearance Areas was implemented by the Official Representation for 70 properties in the Grove Street and Southfield Street Clearance Area. It is intended that these areas of low standard dwellings be cleared and redeveloped for housing purposes. A programmed scheme such as this gives the public confidence to buy properties, knowing that they will not be affected by clearance programmes in the near future.

RODENT CONTROL

Warfarin resistance amongst mice continues to be a problem. The use of alternative poisons is limited, but reasonable success was achieved by using Alphachloralose in a variety of bases. The closure of two former refuse tips still meant that regular visits for treatment against rats were required. These were carried out until all activity ceased and one gained satisfaction from the success of the treatments when collecting the resultant bodies. There is as yet, no evidence to suggest that the resistance to anticoagulant poisons has built up in the rat population. However, acute poisons were used throughout the year both in the sewers and on the refuse tips.

ACCUMULATIONS OF RUBBISH

As in previous years there was an increase in the number of complaints relating to accumulations of rubbish, whether surplus furniture or household refuse. The most common sites for these deposits to appear are vacant sites and the rear yards of vacant houses. This is completely beyond comprehension that people should carry unwanted articles, in some cases a few miles, when the Council operate a free collection service which has been widely advertised.

A disturbing pattern which has developed over the year is the number of cases where the Public Health Inspector has been asked to visit dirty houses. Piles of household refuse have been seen inside these houses when the dustbin in the rear yards has been empty. In the majority of these cases, the occupants of the houses are young active people and one can only assume that gross idleness is the root cause of the trouble. It is appalling that in this modern, affluent and civilised society, there should be any such cases at all.

DERELICT PROPERTIES

Vacant houses which are rapidly subjected to vandalism to the point of becoming derelict were again a problem. In some cases the owners of the properties have left the neighbourhood and tracing the new address is often difficult. It would appear that, in order to preserve the adjacent houses, action should be taken under Section 27 of the Public Health Act, 1961, to secure the closure of the door and window openings. At this point I will conclude my comments.

I am grateful for the backing given by the Chairman and Members of the Health Committee and the goodwill of other Chief Officials, to whom I offer my thanks.

I have the honour to be, Ladies and Gentlemen,

Your obedient Servant,

F. GRINDROD

Senior Public Health Inspector.

SECTION D

SANITARY CIRCUMSTANCES OF THE AREA

WATER SUPPLY

The North Calder Water Board, constituted in 1960, is the water undertaking for the Borough. Under normal conditions the area supplied is comprised of the Boroughs of Nelson and Colne, the Urban Districts of Barrowford, Brierfield and Trawden, and the eastern part of Burnley Rural District.

The gathering grounds extend to 5,000 acres and are situated on the moorland hills of Pendle and Boulsworth on either side of the area supplied. There are five storage reservoirs having a total capacity of 410.3 m. gallons, three compensation reservoirs with a capacity of 131 m. gallons, and six service reservoirs with a capacity of 13 m. gallons. Other sources of supply include springs and two boreholes, having a potential yield of 1,650,000 gallons per day.

All raw water is filtered and chlorinated before going into supply. The area of supply is divided into suitable zones according to locality and altitude to utilise available head from service reservoirs. Pressures are increased in three areas outside the Borough by the installation of pumping stations.

During the year water was supplied to an estimated population of 67,000 and has been satisfactory in both quality and quantity. Seventy-six samples of raw water were submitted for bacteriological examination and reported satisfactory. Two samples of raw water were submitted for chemical analyses and reported satisfactory. One hundred and twenty-two samples of treated water were submitted for bacteriological examination when four samples gave an unsatisfactory result. All the 13 samples of treated water submitted for chemical analyses were satisfactory. There is no tendency to plumbo-solvency. The natural fluoride content of the supply varies from 0.08 to 0.16 p.p.m. according to source.

Mains water is supplied to all but 23 houses within the Borough. These houses are situated in the rural parts of the district remote from a mains supply and make use of private supplies. Twenty-four new dwellings were connected to the mains supply during the year, when 294 yards of new mains were laid. Extensions of water mains to existing dwellings totalled a further 132 yards and mains extensions to industrial development totalled 60 yards. The replacement of joint service pipes continued, when 79 houses were re-serviced. This necessary feature of providing an adequate supply of water to dwellings will continue for many years as joint service pipes become incapable of carrying an adequate volume of water.

DRAINAGE AND SEWERAGE

The whole of the urban part of the Borough is drained and sewered, the exception being isolated properties in the rural areas remote from the sewerage system. The Sewage Works at Lindred, just outside the Borough boundary, is under the control of the Borough Engineer and Surveyor. The estimated sewage per head of population per day is 54.6 gallons, with a daily dry weather flow of 1.75 m. gallons.

The treatment of sewage consists of screening, settlement in detritus tanks, sedimentation tanks, percolating filters, and humus tanks. In dry weather, re-circulation of part of the final effluent is practised. Storm water is discharged into Pendle Water after passing through settlement tanks. The final effluent from the process passes either into Pendle Water or, by agreement with the Central Electricity Authority, may be pumped up to the Leeds and Liverpool Canal to serve as compensation water to replace that withdrawn from the Canal at Huncoat Electricity Generating Station. The bulk of the liquid sludge is pumped on to surrounding agricultural land. During the summer months, sludge is stored in digestion tanks, and later made available for horticultural and agricultural purposes.

Nineteen new dwellings were connected to the sewerage system during the year, and one existing dwelling, in a rural part of the district, was newly connected to a septic tank installation.

RIVERS AND STREAMS

The Lancashire Rivers Board is the authority responsible for watercourses.

SANITARY ACCOMMODATION

No. of privy middens	3
No. of closets attached to these middens	3
No. of pail closets	9
No. of movable dustbins, etc	14,120
No. of waste water closets	2,337
No. of fresh water closets	10,933

Conversions during 1970:-

No. of privy closets to fresh water closets	Nil
No. of privy closets to pails	Nil
No. of pail closets to fresh water closets	1
No. of waste water closets to fresh water closets ..	141
No. of premises at which movable dustbins, etc. were substituted for fixed receptacles	Nil

The above figures relate to sanitary accommodation at all premises at the end of the year.

There were 12 dwellings not on the water carriage system.

PUBLIC CLEANSING

The Cleansing Department is a separate Department under the control of the Director of Cleansing and is responsible for the collection and disposal of trade and household refuse, the cleansing of streets, the cleansing of and repairs to drainage, and the maintenance of public conveniences. In addition, the cleansing department provide and maintain most of the Council's transport fleet, and have provided a Vehicle Testing Station approved by the Ministry of Transport. The Cleansing Department provide a drainage section to repair and cleanse defective drainage, and at the request of owners or occupiers, will relay and renew existing drainage in the conversion of waste water closets.

As far as circumstances permit the collection of household refuse is maintained at weekly intervals. It is well known that the nature of household refuse is changing and Nelson is no exception. The advent of the Smoke Control Programme with the increased tendency towards gas and electric appliances, together with the widespread packaging of consumer goods and food, have meant that greatly increased bulk of refuse is being collected although the tonnage is fairly stable. The time is approaching when the conventional standard of one dustbin per household will be obsolete.

Trade refuse is collected weekly and putrescible refuse is collected twice weekly, both collections being charged for. Traders may also deliver refuse direct to the tip, being charged 2/- per ton for this facility.

Although the Cleansing Department continue to remove unwanted household furniture and effects free of charge, the present-day disease of indiscriminate tipping on vacant land and in the rear yards of vacant houses remains as great a problem as ever. The remedy for this disease still eludes us in spite of increased publicity regarding the free services offered by the Cleansing Department. All requests for unwanted articles to be removed were complied with within three days.

All refuse was disposed of by controlled tipping at Waidshouse Quarry, together with the refuse from Burnley County Borough, Brierfield and Padiham Urban Districts and part of Burnley Rural District.

PUBLIC HEALTH INSPECTIONS

During the year 8,553 premises were visited for various reasons, the total number of visits made being 11,405. These figures show a 25% increase over those of the previous year, reflecting the increased mobility of staff following the use of private cars and the introduction of travelling allowances.

The number of defects discovered was, at 495, slightly less than the number found in 1969, as was the number remedied at 220. Informal Notices were served on 183 occasions and Statutory Notices were issued in respect of 177 cases. Of the Statutory Notices issued, 57 were issued in respect of blocked or leaking drainage, a condition which is increasing each year. No legal proceedings were instituted during the year.

The following table classifies the visits made to the various types of premises during the year.

	<u>INSPECTIONS</u>	<u>RE-INSPECTIONS</u>
Animal boarding establishments	3	2
Bakehouses	14	-
Boiler plants inspected	5	-
Butchers' shops	19	1
Closet conversion W.W.C./F.W.C.	107	111
Closets, pail	8	-
Closets, water	17	8
Closets, waste water	45	40
Complaints received	607	742
Complaints confirmed	419	140
Drains inspected	2	9
Drains smoke test	1	-
Drains olfactory test	2	2
Drains colour test	236	248
Drains defective	193	298
Educational talks given	-	2
Fish frying establishments	4	1
Food (preserved) manufacturers	11	1
Food catering establishments	18	4
Food shops and warehouses	41	3
Factories - power	75	14
Factories - non-power	-	2
Fishmongers' shops	1	1
Hawkers' vans	4	2
Houses defective	86	571
Houses detailed inspection	39	76
Houses overcrowding	2	-
Ice-cream manufacturers	-	1
Ice-cream retailers	6	-
Infectious/notifiable diseases	8	7
Insect infestations	68	26
Interviews	113	1
Markets	18	-
Meat and food inspections	161	-
Meat and food condemnations	157	-
Meetings with owners	183	13
Meetings with contractors	69	1
Miscellaneous	306	72
Notices Served:		
Verbal	24	-
Informal	159	-
Statutory P.H.A.	122	-

	<u>INSPECTIONS</u>	<u>RE-INSPECTIONS</u>
Offensive accumulations	42	133
Offices, Shops and Railway Premises Act:		
Offices		
Inspections	1	1
Visits	8	1
Retail Shops		
Inspections	2	-
Visits	19	3
Wholesale Shops and Warehouses		
Visits	2	-
Catering Establishments and Canteens		
Inspections	3	1
Visits	3	-
Outworkers	2	-
Pet Stores	1	2
Public Houses	2	1
Rats and mice	322	306
Refuse tip	36	-
Samples submitted:		
Ice-cream	1	-
Milk	84	-
Other foods	1	-
Water, etc	70	-
Slaughterhouses	179	-
Smoke Control Areas:		
Inspections	3,339	1
Visits	822	-
Interviews	235	2
Smoke observations	7	-
Watercourses	1	-
Water supply	18	2

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

Eight new registrations of premises under the above Act were received during the year, but 30 premises ceased, for various reasons, to be registrable. There was thus a net decrease of 22 premises subject to the provisions of the Act, making a total of 266 premises on the register at year end. The number of visits and inspections made during the year was 44.

REGISTRATIONS AND GENERAL INSPECTIONS

Class of premises	Number of premises registered during the year	Total number of registered premises at year end	Number of registered premises receiving a general inspection during the year
Offices	2	65	2
Retail shops	6	170	2
Wholesale shops and warehouses	-	16	-
Catering establishments and canteens	-	15	4
Fuel storage depots	-	-	-
Totals	8	266	8

ANALYSIS OF PERSONS EMPLOYED IN REGISTERED PREMISES

BY WORKPLACE

Class of Workplace	Number of persons employed
Offices	373
Retail shops	812
Wholesale departments and warehouses	182
Catering establishments	169
Fuel storage depots	-
Total	1,536
Total Males	628
Total Females	908

No applications for exemption from certain of the provisions of the Act were received during the year.

The following table shows the nature of the 89 defects found and the 52 defects remedied during 1970.

Section	Contraventions		
		Found	Remedied
4	Cleanliness	17	14
5	Overcrowding	1	1
6	Temperature	6	2
7	Ventilation	-	-
8	Lighting	1	1
9	Sanitary Conveniences	21	13
10	Washing Facilities	6	3
16	Floors, Passages and Stairs	24	15
24	First Aid	6	1
50	Information for employees	7	2

No prosecutions under the Act were found necessary during the year.

Five accidents, all non-fatal, were reported during the year. Three of the accidents were caused by falling whilst alighting from vehicles or steps and resulted in bruising, skin abrasion and a sprained ankle. In one case an employee lacerated his hand whilst boning meat, and the remaining case was of an employee trapping his hand whilst moving a compressor.

ATMOSPHERIC POLLUTION

Confirmation of the No.6 Smoke Control Order was received in October, 1970, to become operable on 1st July, 1972. This in effect meant that the date of operation had been postponed for three months. The area covers 411 acres and includes 3,170 premises.

During the autumn supplies of solid smokeless fuel became insufficient and the Solid Smokeless Fuels Federation indicated that the position would deteriorate as the winter progressed. The Council, after considering the evidence available, applied for and received a temporary suspension of the smoke control orders in operation from 1st October, 1970, until 30th April, 1971.

The present fuel shortage has done untold harm to the cause of clean air which has been shown by the lack of confidence by the public in solid smokeless fuels. In Nelson, public opinion was, prior to the suspension of the orders, wildly enthusiastic to the Clean Air programme. What reaction will be apparent when the suspensions are lifted next spring remains to be seen.

SWIMMING BATHS AND POOLS

There are three public swimming baths and pools in the district, all owned by the Corporation. The open air pool, situate in Marsden Park, proves popular during the summer season. The Public Baths in Bradley Road contain two plunge baths, one 75 feet by 30 feet, and one 50 feet by 20 feet. Additional facilities at the Public Baths include 18 slipper baths, sauna baths, and a cafe.

At both premises, the treated town mains water supply is used, with filtration plant in continuous use, giving a six-hourly cycle at the Open Air Pool, and a three-hour cycle at the Public Baths for the large pool, with a one-hour cycle for the small pool.

Bacteriological examination of samples of swimming bath water was carried out on 62 occasions, when all but 3 samples returned satisfactory results.

DISINFESTATION

Infestations of bed-bugs are almost non-existent these days, although fleas continue to be found occasionally. The main insect pests against which requests for treatment are received are cockroaches, silver fish, crickets, and wasps' nests. Eighteen houses, five of them Council houses, were treated for bugs or fleas, and 91 houses and 8 schools were disinfested of pests such as cockroaches.

The disinfestation service is undertaken by the Department, and is free of charge to householders. Insecticidal powders are also available to persons wishing to carry out their own treatment.

RODENT CONTROL

One full-time rodent operative is employed by the Public Health Department, and the following table shows the work undertaken in this connection during the year.

	Type of Property	
	Non-agricultural	Agricultural
No. of properties in district	16,047	69
No. of properties inspected	507	7
No. of properties inspected which were found to be infested by:		
Rats	157	6
Mice	350	1
Total number of properties inspected for rats and/or mice for reasons other than notification	13	-
No. of properties infested by:		
Rats	4	-
Mice	9	-

SCHOOLS

Conditions at the 25 schools remained satisfactory.

OFFENSIVE TRADES

There are no offensive trades established within the district.

FACTORIES ACT, 1961

1.. Inspections for the purposes of provisions as to health.

Premises	Number of Premises	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1,2,3,4, and 6 are to be enforced by Local Authorities...	11	2	-	-
(ii) Factories not included in (i) in which section 7 is enforced by the Local Authority	97	89	3	-
(iii) Other premises in which section 7 is enforced by the Local Authority (excluding out-workers' premises)	1	-	-	-
Totals	109	91	3	-

2. Cases in which defects were found.

Particulars	Number of cases in which defects were found				Number of cases in which prosecutions were instituted
	Found	Remedied	To H. M. Inspector	By H. M. Inspector	
Want of cleanliness (S.1)	-	-	-	-	-
Overcrowding (S.2)	-	-	-	-	-
Unreasonable temperature (S.3)	-	-	-	-	-
Inadequate ventilation (S.4)	-	-	-	-	-
Ineffective drainage of floors (S.6)	-	-	-	-	-
Sanitary conveniences (S.7)					
(a) Insufficient	-	-	-	-	-
(b) Unsuitable or defective ..	13	5	-	3	-
(c) Not separate for sexes ...	-	-	-	-	-
Other offences against the Act (not including offences relating to out-work)	1	-	-	-	-
Totals	14	5	-	3	-

No notifications of outworkers were received during the year.

COMMON LODGING HOUSES AND HOUSES LET IN LODGINGS

There are no such premises within the district.

RAG FLOCK AND OTHER FILLING MATERIALS ACT, 1951

Three premises are registered under the Act.

CHIEF SANITARY REQUIREMENTS OF THE DISTRICT

The improvement of ablution facilities in the poorer type of properties, together with the abolition of the obsolete waste water closets, still remain the chief sanitary requirements of the district.

The increased publicity and financial aid which is being given for the provision of hot water supplies and bathrooms is having the desired effect, reflected in the number of applications for grant. However, this is not the case in respect of applications for grant towards the cost of waste water closet conversions. The number of closets converted, 141, was the lowest since grants began.

SECTION EHOUSING

HOUSING

During the year 139 dwellings were inspected for housing defects, when 133 were found to be not reasonably fit for human habitation by reason of the 294 defects found.

In connection with housing matters a total of 316 notices were served, 177 of these being Statutory Notices, 57 of which related to defects in drainage. The total number of visits made during the year for housing purposes was 774.

The demolition of the remaining 44 houses in the Scarlett and Garfield Street Compulsory Purchase Order was completed early in the year. Fifteen of the houses in the Seldon and Harvey Street Compulsory Purchase Order were demolished, as were 10 houses in Branch Street which had been purchased privately for this purpose. After being purchased by the Council, 2 derelict houses at the end of a terrace, of otherwise good houses, were demolished and a new gable wall built in order to improve the amenities of the neighbourhood.

In the latter part of the year, the Council received and accepted an Official Representation in respect of 70 properties in the Grove Street and Southfield Street Clearance Area.

During the year the Council acquired 24 houses for repair and improvement prior to letting. Private individuals submitted schemes of improvement for grant purposes in respect of 64 houses, 47 of which were approved. Standard grant applications numbered 292 and in 280 cases work was completed. In addition, 45 local authority houses were improved with the aid of grant.

Nineteen new houses were built during the year by private individuals, and a local authority scheme for the erection of 65 commenced during the year.

The following table shows defects found and remedied in dwellings during the period under review.

	<u>Found : Remedied</u>		<u>Found in 1969</u>
	<u>During 1970</u>		<u>Remedied in 1970</u>
<u>Roofs, etc.</u>			
Defective roof	23	7	15
Defective chimney	26	15	5
Defective eaves gutters	32	20	18
Defective rainwater downspout ..	31	22	8
<u>Walls, External</u>			
Defective pointing	15	6	4
Defective damp-proofing	10	4	14
<u>Doors</u>			
Defective door/Door frame	4	-	14
Defective weather-bar	5	-	12
<u>Windows</u>			
Defective window frame/sashes ..	26	3	35
Defective pointing	9	2	17
Broken glazing	-	-	5
<u>Ceilings</u>			
Defective ceiling plaster	10	5	15

Found : Remedied
During 1970

Found in 1969
Remedied in 1970

Walls, Internal

Defective wall plaster	14	4	20
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Floors

Defective flag floor	-	-	6
Defective wood floor	5	-	6
Defective skirting board	6	6	1

Staircases

Defective handrail	2	1	4
Defective staircase	-	-	3

Firegrates, Flues, Etc.

Defective fireback	2	2	4
Defective flue	2	-	1

Sinks, Baths, Etc.

Defective sink	9	2	2
Defective waste pipes	9	2	3

Drainage

Defective drainage	8	4	-
Obstructed drainage	47	35	-

Sanitary Accommodation

Defective roof	1	-	2
Defective wall	2	-	5
Defective door	7	3	9
Defective/absent closet seat	2	1	3
Defective water closet flush	-	-	1
Defective floor	-	-	2
Burst water service pipe	1	1	-

Yards

Defective yard surface	3	1	2
Defective yard walls	-	-	1
Defective yard gate	5	1	2
Accumulation of refuse in yard	13	12	1

Miscellaneous

Defective fuel store roof	1	-	1
Accumulation of refuse in house	2	2	-
Inadequate water supply	2	2	-

HOUSING STATISTICS

	<u>Houses</u>	<u>Flats</u>
Number of new dwellings erected during the year:-		
(i) By the Local Authority	-	-
(ii) By other Local Authorities	-	-
(iii) By other bodies or persons	19	-

Total number of dwellings owned by any local authority existing in district at end of year.. 1,700

Inspections of dwellings during the year:-

(i) (a) Total number of dwellings inspected formally or informally for housing defects (under Public Health or Housing Acts)	139
(b) Number of inspections, formal or informal, made for the purpose	772
(c) Number of dwellings in (a) above found to be not in all respects reasonably fit for human habitation but capable of being rendered fit	133
(ii) Total number of dwellings existing at end of year which were unfit for human habitation and not capable at reasonable expense of being rendered fit and in respect of which:-	
(a) Demolition, Clearance or Closing Orders have been made (at any time)	-
(b) Demolition, Clearance or Closing Orders have not yet been made	70

Houses Demolished:

<u>In or adjoining Clearance Areas:-</u>	<u>Houses</u> <u>Demolished</u>	<u>Displaced during year</u>	
		<u>Persons</u>	<u>Families</u>
(1) Houses unfit for human habitation	31)		
(2) Houses included by reason of bad arrangements, etc.	-)	17	16
(3) Houses on land acquired under S.43(2) Housing Act, 1957	28)		

Not in or adjoining Clearance Areas:-

(4) As a result of formal or informal procedure under S.16 or S.17(1) Housing Act, 1957	12)
(5) Local Authority owned houses certified unfit by the M.O.H.	-)
(6) Houses unfit for human habitation where action has been taken under local Acts	-)
(7) Unfit houses included in Unfitness Orders	-)

Unfit Houses Closed:-

	<u>Number</u>	<u>Displaced during year</u>	
		<u>Persons</u>	<u>Families</u>
(1) Under S.16(4), S.17(1) and S.35(1), Housing Act, 1957, and S.26 Housing Act, 1961	-)		
(2) Under S.17(3) and S.26, Housing Act, 1957	-)	-	-
(3) Parts of buildings closed under S.18, Housing Act, 1957	-)		

Unfit Houses made fit:-

	<u>Number</u>
(1) By owner after informal action by local authority	-
(2) After formal notice under S.9 and S.16, Housing Act, 1957:	
(a) By owner	-
(b) By local authority	-
(3) After formal notice under Public Health Acts	-
(4) After modification or revocation of a clearance order under S.24, Housing Act, 1961	-
(5) After determination of a demolition order under S.24, Housing Act, 1957	-

<u>Unfit houses in Temporary Use</u> <u>(Housing Act, 1957):-</u>	<u>No. of Houses</u> <u>(1)</u>	<u>No. of separate dwellings contained in column (1)</u> <u>(2)</u>
<u>Position at end of year:-</u>		
(1) Retained for temporary accommodation		
(a) Under Section 48	-	-
(b) Under Section 17(2)	-	-
(c) Under Section 46	-	-
(2) Licensed for temporary occupation under Ss.34 or 53	-	-

<u>Purchase of Houses by Agreement:-</u>	<u>No. of Houses</u> <u>(1)</u>	<u>No. of occupants of houses in column (1)</u> <u>(2)</u>
Houses in clearance areas other than those included in confirmed clearance orders or compulsory purchase orders, purchased during the year	-	-

Housing (Financial Provisions) Act, 1958, and Housing Act, 1969 - Improvement grants, etc:-

	<u>No. of dwellinghouses or other Buildings affected in schemes of -</u>		
<u>Action during year:-</u>	<u>Owner Occupied</u>	<u>Others</u>	<u>Local Authority</u>
(i) Submitted by private individuals to local authority	62	2	-
(ii) Approved by local authority	47	-	-
(iii) Submitted by local authority to Ministry	-	-	41
(iv) Finally approved by Ministry	-	-	41
(v) Work completed	-	-	45
(vi) Additional separate dwellings included in (v) above	-	-	-
(vii) Any other action taken under the Acts	-	An improvement area being considered	

House Purchase and Housing Act, 1959 and Housing Acts, 1961, 1964 and 1969 - Standard Grants

	<u>No. of dwellings or other buildings affected</u>	
<u>Action during year:-</u>	<u>Owner Occupied</u>	<u>Others</u>
(a) Applications submitted to local authority for improvement to:-		
(i) Full standard	280	12
(ii) Reduced standard	-	-
(b) Total applications approved by local authority for improvement to:-		
(i) Full standard	280	12
(ii) Reduced standard	-	-

	<u>Owner Occupied</u>	<u>Others</u>
(c) Work completed	280	-
(d) Particulars of any action taken relating to compulsory improvements of dwellings.		None

Housing Act, 1969 - Special Grants:-

	<u>No. of dwellings or other buildings affected</u>	
Action during year:-	<u>Owner Occupied</u>	<u>Others</u>
(i) Applications submitted to local authority for special grant	-	-
(ii) Applications approved by local authority for improvement by special grant	-	-
(iii) Work completed	-	-

Lancashire County Council (General Powers) Act, 1968, S.17

Particulars of any action during year None

Housing Act, 1957, S.92

Particulars of any action during year:-

24 houses acquired by purchase during the year for repairs, improvement and letting.

SUFFICIENCY OF SUPPLY OF HOUSES

As has been the case for a number of years, there is no shortage of actual housing units, the Rate Book at the end of the year showing 347 houses to be unoccupied. These were mainly of the older stone-built terrace type property, the more modern properties being fully occupied.

The number of Council owned dwellings at year end showed a net increase of 30 over the previous year's figure, bringing the figure to 1,700. At the commencement of the year there were 443 applications for tenancies of various types of dwelling, and at year end the number of viable applications was 472.

The following table shows the requirements of applicants for Council dwellings:-

	<u>At commencement of 1970</u>	<u>At end of 1970</u>
Number of applications	443	472
<u>Type of house required</u>		
(a) Two bedroomed type	121 (27%)	114 (24%)
(b) Three bedroomed type	155 (35%)	141 (30%)
(c) Four bedroomed type	-	-
(d) Old Folks' bungalows	125 (28%)	154 (33%)
(e) Flats	12 (3%)	38 (8%)
(f) Other	30 (7%)	25 (5%)

OVERCROWDING

No cases of statutory overcrowding were encountered during the year.

SECTION F

INSPECTION AND SUPERVISION
OF FOOD

MILK SUPPLY

The sampling of milk for biological examination and the statutory tests continued during the year, when 137 samples were taken by the Department. In addition, 64 milk samples were taken by officers of the Lancashire County Council for chemical analysis. One of the latter samples indicated extraneous water when subjected to the Hortvet Test. There was no evidence of anti-biotic contamination in any of the milk samples. The reports on milk samples taken by the Department are shown below.

Total no. of samples submitted for Biological examination 137	Results		
	Positive	Negative	No result
(i) Tuberculosis	-	9	-
(ii) Brucellosis - Ring Test	15	122	-
(iii) Brucellosis - Culture Test	8	6	-
(iv) Brucellosis - Biological Test .	2	11	1

Samples submitted for Statutory Tests	No. of samples	Results		
		Satisfactory	Unsatisfactory	Void
Raw Milk:-				
(i) Methylene Blue Test	14	14	-	-
Heat Treated Milk:-				
(i) Methylene Blue Test	-	-	-	-
(ii) Phosphatase Test	3	3	-	-
(iii) Turbidity Test	2	2	-	-
(iv) Colony Count Test	-	-	-	-

FOOD INSPECTION

Twenty three complaints in respect of food were made during the year. In spite of increased education to shopkeepers on the systematic rotation of stocks of perishable foods, foods which had lost condition and in some cases become mouldy, accounted for the majority of the complaints, with foods containing foreign bodies completing the picture. Two prosecutions were successfully instituted during the year. In all other cases the vendor was interviewed and the producer contacted.

Routine inspection of foodstuffs showed the following commodities to be unfit for human consumption. All were surrendered voluntarily.

<u>Type of Food</u>	<u>Containers</u>	<u>Tons.</u>	<u>Cwts.</u>	<u>Qtrs.</u>	<u>Lbs.</u>	<u>Ozs.</u>
Meat	796	14	1	17	2	
Fruit	32		2	13	14 $\frac{1}{2}$	
Vegetables	864	4	3	26	2 $\frac{1}{2}$	
Fish	1184	5	0	5	12 $\frac{1}{4}$	
Milk	2			2	0	
Miscellaneous	4790	1	7	1	13	1
Totals	7668	2	12	1	22	0 $\frac{1}{4}$

MEAT INSPECTION

The private slaughterhouse continued in operation during 1970, when all the 3,859 animals slaughtered were subjected to inspection. Throughput showed a decrease of 39%, with a small corresponding decrease in income for meat inspection services to £119.17.6d.

	Cattle excl. Cows	Cows	Calves	Sheep and Lambs	Pigs
Number killed	180	29	-	3450	200
Number inspected	180	29	-	3450	200
ALL DISEASES EXCEPT TUBERCULOSIS AND CYSTICERCI:					
Whole carcasses condemned	-	-	-	6	-
Carcasses of which some part or organ was condemned	74	24	-	1206	12
Percentage of number inspected affected with diseases other than Tuberculosis and Cysticerci	41.1%	82.7%	-	35.1%	6.0%
TUBERCULOSIS ONLY:					
Whole carcasses condemned	-	-	-	-	-
Carcasses of which some part or organ was condemned	-	-	-	-	-
Percentage of number inspected affected with Tuberculosis	-	-	-	-	-
CYSTICERCI:					
Carcasses of which some part or organ was condemned	-	-	-	-	-
Carcasses submitted to treatment by refrigeration	-	-	-	-	-
Generalised and totally condemned	-	-	-	-	-

Meat and offal found to be diseased or parasitic weighed 1 ton 11 cwt. 0 qtrs. 3½ lbs., a 39% reduction of the previous year's figure.

FOOD PREMISES

During the year 487 visits were made to various classes of premises where food is handled, when the following contraventions were noted.

	<u>Found : Remedied</u>		<u>Found in 1969</u>
	<u>During 1970</u>		<u>Remedied in 1970</u>
<u>Structural defects</u>			
Defective wall surface	3	1	-
Defective floor	3	1	1
Defective water closet compartment.	3	-	-
Defective water closet	6	1	-
Defective staircase	1	-	-

	<u>Found : Remedied</u>		<u>Found in 1969</u>
	<u>During 1970</u>		<u>Remedied in 1970</u>
<u>Hygiene defects</u>			
Defective sink waste pipe	2	1	1
Absence of wash-hand basin	1	-	2
Insufficient hot water supply	5	3	3
Absence of soap, nailbrush, towel .	4	1	-
Dirty floor	3	1	-
Dirty walls and ceiling	36	6	20
Dirty equipment	9	5	6
Dirty water closet compartment	4	2	-
Defective equipment	6	4	-
Inadequate clothing locker	3	2	-
Unhygienic practices	3	-	-
Accumulation of refuse	12	10	2

No. of food premises, by type of business, in district at year end:-

<u>Type of Business</u>	<u>Number</u>
General grocers and provision dealers	142
Greengrocers and fruiterers (including those selling wet fish, game, etc.)	29
Fishmongers (including those selling poultry, game, etc.)	3
Meat Shops (butchers, purveyors of cooked and preserved meats, tripe, etc.)	54
Bakers and/or confectioners	60
Fried Fish Shops	24
Shops selling mainly sugar confectionery, minerals, ice-cream, etc	62
Licensed premises, clubs, canteens, restaurants, cafes, snack bars and similar catering establishments	51
Others	7

No. of food premises registered

<u>Type of business</u>	<u>Legislation under which Registration affected</u>	<u>No. registered at end of year</u>	<u>No. of inspections of registered premises during year</u>
Butchers	Lancs. Cty. Cl.	34	20
Bakers and Confectioners/Mixed	(Rivers Bd. and	43	51
Baking and Catering/Cafe	General Powers)	1	3
Mixed and Grocery	Act, 1938 - s.	9	12
Cooked Meats, etc.	116 or Food and	5	14
Ice-Cream Manufacturers	Drugs Act, 1955, s.16	1	2
		—	—
	Totals	93	102
		—	—

FOOD AND DRUGS ACT, 1955

I am indebted to Dr. C. H. T. Wade, County Medical Officer of Health, for the following particulars of samples obtained under the provisions of the Act by officers of the Lancashire County Council.

A total of 111 samples was obtained comprising 64 milks (6 of which were Channel Islands milk) and 47 others as follows:-

1 Brown Bread	1 Sauce Mix
1 Apricot Jam	1 Popping Corn
1 Garlic Powder	1 Meat Pie
1 Shrimps in Brine, canned	1 Stewed Apples, canned
1 Full Fat Soft Cheese with Garlic and Herbs	1 Christmas Pudding
1 Swiss Pâté with Trifle	1 Sweets
3 Bread	1 Edible Cake Decorations
1 Dairy Ice Cream	1 Christmas Tree Decorations
1 Beans with Baconburgers, canned	1 Sulphacetamide Eye Drops
1 Backache Pills	1 Penicillin Eye Ointment
1 Wine Vinegar	1 Napkin Rash Cream
1 Baby Food (Junior Lamb Dinner)	1 Eye Ointment
1 Junior Dessert (Banana Rice and Rose Hip)	1 Bilberry Pie Filling, dry
1 Redcurrant Juice	1 Mushroom Soup Pack
1 Oxtail Soup, canned	1 Table Jelly
1 Malted Milk	1 Gravy Mix
1 Cake Mix	1 Aurum Ambrosium (Rheumatism Remedy)
1 Chicken Curry Seasoning	1 Pork Sausages with Liver, canned
1 Soft Drink (Carton)	1 Apricot Pudding, canned
1 Soluble Aspirin Tablets	1 Tomatoes Stuffed with Rice, canned
1 Aspirin Tablets	1 Dried Skimmed Milk
1 Hot Lemon Powder	1 Stewed Steak & Kidney, canned
	1 Caramel Sauce

I give below details of those samples on which the County Analyst gave adverse reports:-

<u>Sample</u>	<u>Result of Analysis</u>	<u>Action Taken</u>
Dried Skimmed Milk	Labelled "Instant Non-Fat Milk" yet contained 0.7% fat. The alternative name for skimmed milk granules in the Dried Milk Regulations 1969 is dried low-fat milk and not non-fat milk. In view of the presence of a small amount of milk fat "Low Fat Milk" could be a more filling designation.	Producer communicated with
Brown Bread	Contained 7 dead moths. Anagarta Kuhnella (Mediterranean Flour Moth) weighing in all 5 milligrams and six particles of dark brown overheated wheat flour containing altogether an estimated maximum of 112 dead flour mites (Acarus Siro), these mite infested overheated wheat particles together weighing 16 milligrams.	Fined £10 Costs £18.15.0d.
Informal Milk	Freezing Point indicates 0.1% Extraneous Water.	
Bread	Contained parts of a flour bag label weighing in all 0.13 gramme.	Bakery cautioned and complainant informed
Redcurrant Juice	(i) Faulty Cap liner had allowed entry of wild yeasts which had grown to produce a dark unpleasant deposit weighing one third of a gramme. (ii) Minor Mineral constituents indicate that the contents of the bottle consisted of no more than half "Fruit Juice" yet bottle labelled "Red Currant Juice".	Importer Communicated with

Bread	Contained 56 grammes of visibly discoloured crumb distributed throughout the loaf	Bakery cautioned and complainant informed.
Caramel Sauce	Contained no list of ingredients.	Importer communicated with.
Meat Pie	Contained a straight splinter of hardwood, having jagged ends, measuring 49 millimetres in length by 3.8 millimetres wide and 2 millimetres thick weighing 0.249 grammes as removed from the pie, of which 31.3% was moisture.	Manufacturer cautioned and complainant informed.
Bread	Contained a nymph of common cockroach (<i>Blatta Orientalis</i>) of length 13.5 millimetres and weight 60 milligrams.	Prosecution Fined £15 Costs £18.18.0d.
Penicillin Eye Ointment	Penicillin Eye Ointment was deleted from the B.P.C. in the deletions of the 1963 edition, probably old stock.	Divisional Medical Officers advised to destroy stocks.
Napkin Rash Cream	Vitamin A content negligible yet carton carried a specific claim about Vitamin 'A' content.	Manufacturer communicated with re relevance of Vitamin A claim.

ICE CREAM

One sample of locally manufactured ice-cream was taken which returned a grade 2 result.

EGG PASTEURISATION PLANTS

There are no such premises in the district, and no samples of liquid egg were obtained during the year.

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